

VOLUME CL

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Roaming the West's Fantastic Four Corners

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25 in Natural Colors

JACK BREED

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## Roaming the West's Fantastic Four Corners

BY JACK BREED

*With Illustrations from Photographs by the Author*

**W**ITH no great eye for beauty, a Mormon newspaper in September, 1861, described southeastern Utah as "one vast 'contiguity of waste' and measurably valueless, excepting for nomadic purposes, hunting grounds for Indians, and to hold the world together."

The labyrinthine canyons, soaring mountains, natural bridges, barren flats, and towering pinnacles of this maligned country still do a fair job of holding the world together. But they are far from "valueless," at least to those who will brave the rigors of travel for the thrill of a forbidding but fantastic spectacle.

### Utah's Gems Have a Rough Setting

This 20,000-square-mile quarter of Utah comprises, in fact, a priceless portion of our scenic heritage, and one that is little known. In it are to be found, among other gems, the forgotten Shangri-la of Chester Park, the silent stone cities of Devil's Lane and Cyclone Canyon, the surrealist sculpture of the Valley of the Goblins, the great 500-foot pillars of Monument Canyon.

Their setting is the Four Corners Country, that gaunt, erosion-gutted sector where boundaries of four States meet: Utah, Colorado, Arizona, and New Mexico.\*

One of the largest roadless areas in the United States, the region has always defied exploration by any but the hardest and most persistent (map, page 711).

Now new roads, spurred by discoveries of oil, natural gas, and uranium, are thrusting inquisitive fingers into the back country. Already a 270-mile route bisects it from Torrey, Utah, on the west to Cortez, Colorado, on the east.

These roads are no boulevards, but they are

passable. As more are added, they will present the touring motorist with an opportunity and the Nation with a responsibility. The opportunity will be to tap a treasure-trove of spectacular, unspoiled beauty. The responsibility will be to ensure that this asset is preserved intact for the enjoyment of generations yet to come.

### Where Indians Speak German

By jeep and horse and station wagon I traveled some 3,000 miles in this area, often jouncing over rangeland, deserts, and scarps where a dirt track was a highway and a rocky stream bed an avenue.

The long trek started at Cortez, Colorado. Picking up my guide, Rollin Usher, there, I headed south for the Consolidated Ute Agency, 11 miles away.

"Not many people know anything about these Utes," said Usher. "Maybe you can get some pictures."

"All right with me, so long as they don't smash my camera."

Under the suspicious gaze of the assembled leaders, I tried through an interpreter to explain our mission. I was making heavy going of it until I tackled the problem frontally.

"What I would like most," I said, "is to take a color picture of the council itself. And I promise to send prints to each member just as soon as I can."

That did it. Solemnly, the council members filed out of the chamber and lined up in front of our station wagon for their portrait. The ceremony completed, we all trooped over to the local trading post for a Coca-Cola.

\* See "Flaming Cliffs of Monument Valley," by Jack Breed, NATIONAL GEOGRAPHIC MAGAZINE, October, 1945.





706

### Stone Pillars Capped Like Mushrooms Dwarf Two Explorers in "Goblin Gulch"

The Four Corners Country, where Utah, Colorado, Arizona, and New Mexico meet, is a geological museum. Rock strata lie exposed in towering buttes, deep canyons, and lonely monoliths. Visitors to the Valley of the Goblins, near Hanksville, Utah, find themselves in a Halloween fantasy (page 726). Lateral erosion has whittled a mushroom forest in the gulch. Hard umbrella caps give protection to these formations.

As I handed the last Ute his bottle, he sang out cheerfully, "*Danke schön!*"

The trader laughed at my astonishment. "Manager of the post here used to be a German," he said. "The Utes got so they did a lot of their trading in *Deutsch*."

Outside the post, dozens of Ute women and curious youngsters had gathered (page 728). The minute I produced a camera, however, they scattered like quail.

To entice them out again, we set up a lure, a jug full of green collared lizards I had caught out on the desert with a fishing rod and a noose. Shyly, the Utes reappeared and clustered about the bottle (page 739). But when I started to pull out a lizard for a close-up, Utes of all ages vanished.

This puzzled us. The Utes are accustomed to the desert and its creatures. Surely they must have known that this little green lizard, *Crotaphytus collaris*, is harmless. We could put down their fear only to superstition—perhaps some notion like that of the Zuni and

other southwestern tribes, who believe that the breath, not the bite, of the lizard is evil and poisonous.

Exploration, however, and not conversion, was our mission. For years I had wanted to make a pack trip into the spectacular and rarely visited Needles country to the northwest. Ross Musselman, I knew, was the man to get me there. We pushed on to his 4-M Ranch, 16 miles southeast of Moab, Utah.\*

### In Search of the Needles

Though born and brought up in Pennsylvania, Ross knows the Needles like a dog-eared book. In 1933 he and his brother took a two-months' saddle trip into this section after a pack of wolves. So impressed was Ross that he bought a ranch and moved his whole family out to Utah.

From Ross's ranch our party backtracked for 40 miles toward Monticello at the base

\* See "Utah's Arches of Stone," by Jack Breed, NATIONAL GEOGRAPHIC MAGAZINE, August, 1947.





### Men and Horses Inch Their Way down the Rock-strewn Lip of a Cliff

Descending from Grand View Point to the lower rim of Monument Canyon (page 725), the author's party followed a narrow shelf overlooking dizzy depths. Several animals slipped and hung on the brink until men pulled them to safety (page 712). Here guide Roy Holyoak leads his horse over loose rubble. Earl Worthington, safely across, watches on the right.

of the Abajo Mountains, then turned west to Dugout Ranch, headquarters for the Indian Creek Cattle Company (page 714).

Hidden in a remote canyon, accessible by an unmarked road that is passable only when dry, Dugout has one of the most dramatic locations I have ever seen. The entrance trail twists down through Indian Creek until the canyon itself widens into a flat-bottomed oasis half a mile wide and perhaps ten miles long. Fields of grass and alfalfa, bordered by gently swaying cottonwoods, surround the ranch, while in the background rise ruddy sandstone cliffs a thousand feet high.

Herds of the little-known Indian Creek Cattle Company graze nearly a million and a half acres of publicly and privately owned land. Its wealthy owner, J. A. Scorup, now 70, started at 18 with two horses, a grub-stake, and five dollars.

At Dugout we refueled our cars, filled our water tanks, bought last-minute supplies, and headed out through the corral gates. The

trail picked up the thread of Indian Creek and followed it through beautiful open areas of grassy rangeland. Ahead of us, North and South Sixshooter Peaks pointed the way.

### Bucking a Three-mile Sand Trap

A few miles beyond the ranch we came to the bank of Salt Creek. It was dry as a bleached bone, but beyond it lay three miles of soft, deep sand and many embankments.

"The jeep might get through," said Ross, "but that station wagon won't get 10 feet!"

I looked at the delicate photographic equipment resting safely atop the bed in the rear of the car, and at the other 2,000 pounds of field equipment we had packed in the station wagon (page 730). It would be a tremendous job to take it all out and repack it on restive horses; the jeep itself was already fully loaded.

"I think I'll try it anyway," I called to Ross. "Ben, you and Mac stick as close to me as you can with the jeep—just in case."

I let some air out of the tires and started.





### Sandstone Pillars Cling to the Timeworn Face of a Butte in Cathedral Valley

Massive formations shaped like Gothic churches gave the valley its name (page 734). Wind and rain may eventually detach these columns from the cliff, forming pinnacles like those on pages 720 and 721.





**Seamed Walls Frown upon a Dwarf Station Wagon and a Pygmy Driver**

Erosion, eating away at ancient fault lines, cuts deep vertical fissures. Horizontal cracks and ridges mark various strata deposited here eons ago when this area was completely ocean.





### Scornful of Sagebrush, a Pilot Takes Off from Monument Canyon's Inner Rim

Residents of Moab, Utah, were surprised when they learned that supplies were being flown to the Four Corners explorers (page 722). Never before, so far as the author could learn, had planes attempted a landing on the canyon's rugged lower rim. Here the area looks expansive and flat. Actually, a rock ledge marking the canyon's brink lies only 500 feet in front of the plane (page 726).

The station wagon plunged over a five-foot drop into the creek bed, smashing the springs down onto the axles and sending a wave of sand over the car roof.

Jamming the hydramatic transmission into low, I gunned the engine. Like a frightened jack rabbit, the car shot forward, bowling over brush and six-foot junipers and leaping dunes and embankments with all four wheels off the ground.

#### Chaotic Landscape "Reverses" Compass

My one fear in that hub-deep sand was stopping. But I needn't have worried. The first mile zipped by so fast that it was all I could do to follow the vague and twisting trail. In less time than anyone had believed possible, we had barreled in to Squaw Spring, the site we had chosen for a camp.

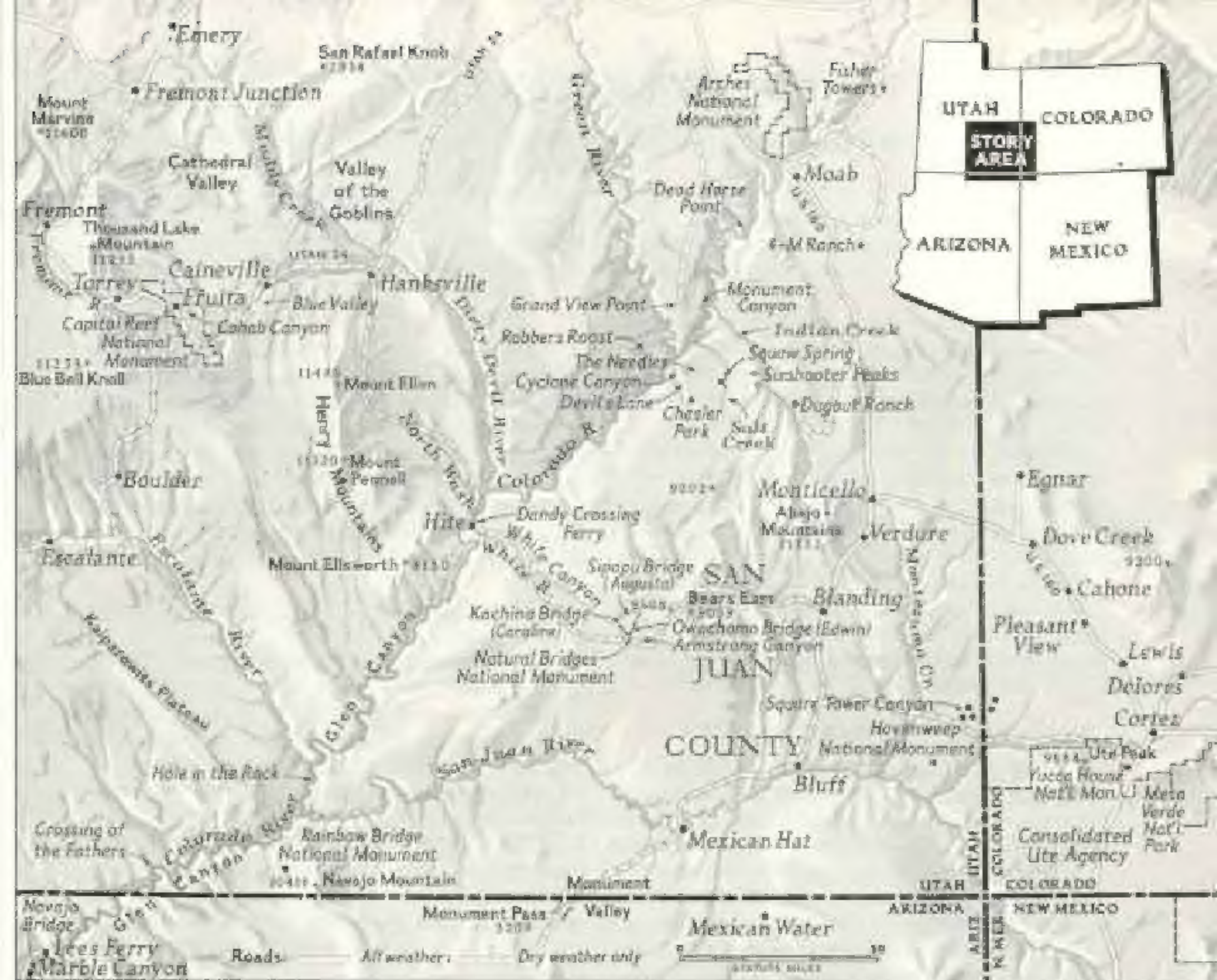
We awoke the next morning to make a significant discovery—the sun was coming up just where we thought it had gone down the

night before. We weren't exactly original. Ross told us that a New York lawyer he had guided to the Needles one summer swore that "the sun rose in the east only once the whole time I was down there!"

We were, in short, in country as confusing as a Coney Island fun house. For thousands of square miles the land was gouged into a maze of canyons and mesas, split by innumerable fingerlike reefs. In the clear, dry air, some 5,000 feet above sea level, cliffs miles away appeared to be within arrow shot. Completely mixed up, one could be sure of neither distance nor direction.

To add to the unreal, lunar quality of the landscape, we saw no sign of human habitation and scarcely any wildlife. An occasional range rider from Indian Creek passed this way, looking for strays. Ross asserted that coyotes, ringtail cats, lynx, bighorn sheep, and deer had been seen, but the only "native residents" we saw were snakes, lizards, and a few insects.





## Southeastern Utah Is a Maze of Deep Canyons and Sun-bleached Mesas

Approximately one-fourth of Utah, some 15,000 square miles, lies in Four Corners Country, where the Beehive State touches Colorado, Arizona, and New Mexico. Here Nature has created a strange landscape. Much of the region is roadless and seldom visited. Exploring Monument Canyon, Chesler Park, and the Needles country, the author and his companions penetrated areas far from human habitation.

Yet, if the terrain seemed relatively barren of animate life, it was rich in geologic history. As the stubbornly meandering streams have cut downward and sidewise against hundreds of layers of rock, they have encountered sections which resisted their erosive action. These became the isolated buttes and mesas now dotting the Southwest's horizon. Where whole ridges stood fast against the water's assault, knifelike reefs were left.

### Great Needles, Nature-made

From such reefs developed the weird skyline of the Needles country. Water freezing in the fissures of these ridges broke off great chunks of rock, carved the remaining sandstone into rough fingers; then, aided by dripping rains and wind-blown sand, into sharp pinnacles and sharper "needles."

To see these sights close up, we branched out from Squaw Spring by jeep, horseback, and on foot. Two of our most rewarding spectacles were Cyclone Canyon and Devil's

Lane—sheer-walled corridors 14 miles long and half a mile wide.

Usually, in such canyons, the bottoms are a jumble of rocks and debris rolled down by the streams which first cut their way through. Yet at Cyclone and Devil's Lane we found flat grassy avenues unmarred by rubble (pages 716-17). The canyons, without any visible inlet for water, simply dropped off steeply at either end, like skyscrapered streets at the brink of a gulf.

Even more beautiful was Chesler Park. We approached it by jeep over a 300-foot escarpment, thence down Devil's Lane, and finally through a well-masked passageway in the park's ring of stone towers.

Chesler, named for a rancher who drove cattle into it in 1885, is little more than three miles square but as lovely a spot as the West affords (page 715). Its warmly colored walls rise 600 feet, shutting it off from everything but the clear, blue sky. On its floor lies a blanket of thick grass, patched with acres



of yellow wild mustard; a spring provides fresh water.

We pitched camp in a giant cave hollowed from a stone island in the park's center. This reef was a lovely place. Perhaps half a mile long, it built up to a cluster of pinnacles about 400 feet high.

The cave we used was one of several carved from the island's base. Cowpunchers for half a century or more have used them for camp sites and, by building fences across the mouths of the larger ones, for corrals as well.

Relaxing in our particular niche, we studied the delicate coloring of the park walls—the salmon, gray, pink, beige, and tan shades which gave the little valley such a serene and harmonious feeling. Here was a good place to forget all the problems of the outside world.

Yet even paradise can pall, and we had other sights to see. Packing back to Moab, we dropped in at Howard Shields' Red Rock Lodge and contemplated our next step.

#### Peering over Grand View Point

Several years before I had stood at the end of Grand View Point, between the Green and Colorado Rivers, and looked straight down into a strange side canyon of the Colorado. It was not a large or even a beautiful canyon, but it had some gigantic pinnacles rising from its floor that looked well worth investigating.

In Moab little was known of this place beyond its local name, Monument Canyon. Situated in wild country, it was thought to have been probed by no more than a dozen individuals at most.

Climbing into a little plane owned by my friend Puge Stocks, I set out one morning to reconnoiter. Puge bounced the craft off the cow pasture behind his house and spiraled upward above the scarps surrounding Moab.

In a few minutes we covered the 25 miles downstream to Grand View Point. Puge, at my request, circled the cliff, then zoomed down into Monument Canyon itself (page 725).

It was an impressive but discouraging sight. The cliff itself was as straight and sheer as the Empire State Building, and twice as high (page 725). Nor did it look possible to climb from the Colorado's deep-cut bed up to the bench, or plateau, on which Monument Canyon sat—a canyon above a canyon. We flew back to Moab.

A trip out to the point by car left us as perplexed as before. Then Roy Holyoak, Moab rancher, told us he had taken horses over Monument's rim once before and knew he could do it again.

Quickly we organized a pack trip. Russ Mahan and Earl Worthington of the National Park Service got time off to join us. Puge Stocks and Glen McFall agreed to shepherd us

from the air and to drop supplies as soon as we located our camp.

By noon of one May morning we were ready. The pack mules and saddle ponies had been trucked to Grand View Point (page 731). All we needed was a trail down over the rim.

#### Moving a Tree Reveals the Trail

"Where do we go from here?" I asked Roy.

"Just walk over to the edge, move that dead juniper out of the way, and you'll find a trail."

Russ and I had passed that spot several times and had never seen a sign of a break in the rim. I moved the dead tree. Sure enough, there was a two-foot gap leading down to a narrow shelf notched against the cliff. Below lay more than 2,500 feet of very empty space.

I turned to Roy. "You mean we're going to take horses down *that*?"

"We sure are," he said with a grin. "Let's go!"

All went well for the first two switchbacks down the sheer cliff face. By then Roy was on the fifth level, and the rest of us were on successive rungs above, as if on a step-ladder (page 707).

Suddenly Earl's pack mule became frightened, cut inside his horse, and shoved it halfway over the precipice. The other animals, panicky, began to bunch and to let loose a rockslide that forced Roy to duck under a ledge.

#### Traffic Jam on a Precipice

Where the horses and mules had huddled, the trail was less than three feet wide. Earl's mare was sitting on her haunches, her back to the cliff, pawing desperately at the ledge for some kind of foothold. We thought she was a goner, that she would slip off to her death on the rocks far below.

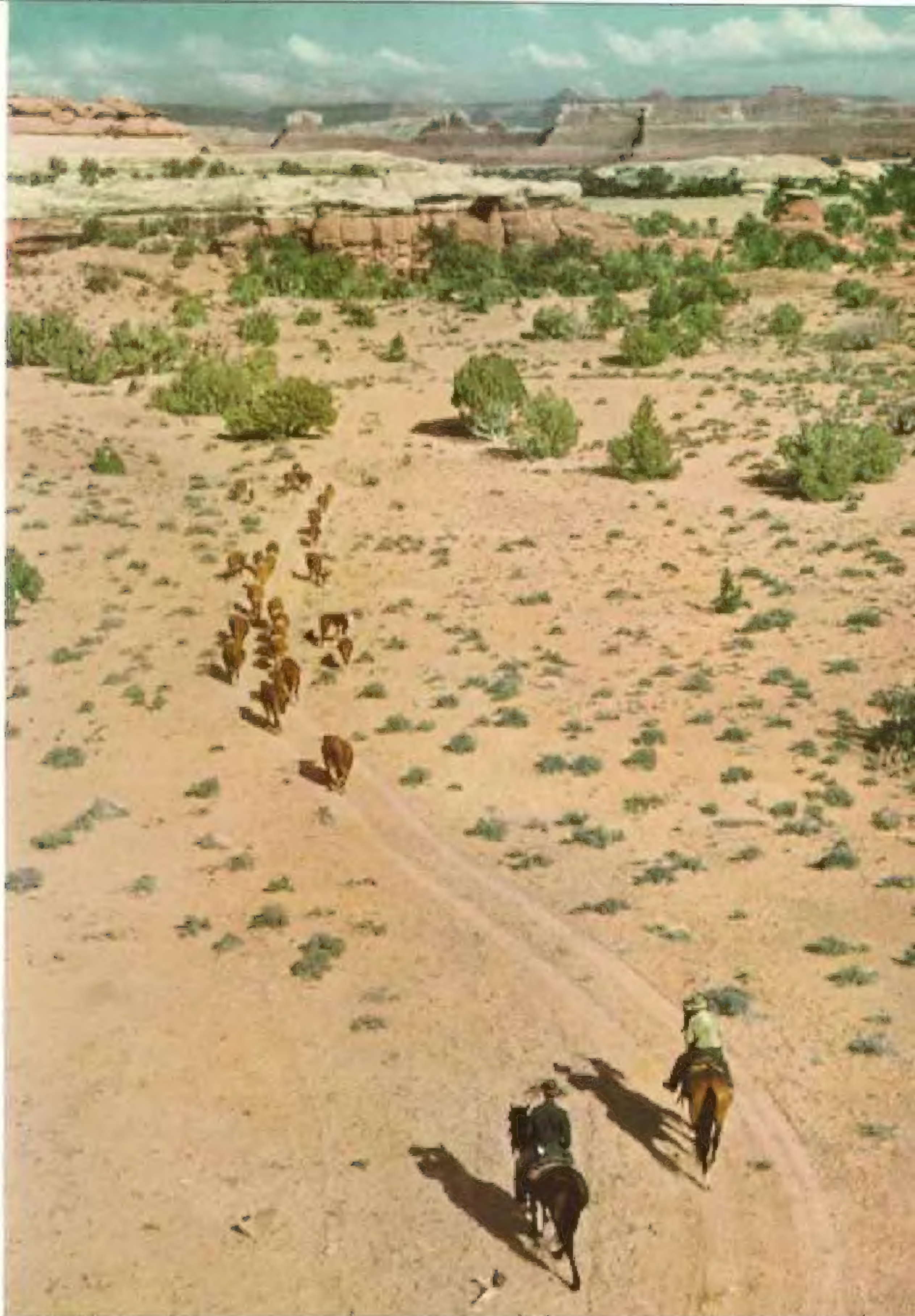
In perhaps half a minute, which seemed like half an hour, she managed to catch one front hoof in a tiny crack and to regain, momentarily, her balance. But now all the pack mules decided to turn around. In no time, three of them had their rumps to the rock wall, their forequarters hanging over the abyss, while the fourth animal tried to jam itself behind the others.

Earl took a chance. He picked up a rock and heaved it at the fourth mule. It worked. The animal backed away and stood still.

As Roy led his own horse and mule down to the bottom and slowly climbed back himself, we all froze where we were, and the animals, luckily, followed suit. Soon Roy and Earl, inching up the trail, managed to reach the bunched beasts, disentangle them, and lead them, one by one, to safety.

Letting out a great sigh of relief, we made







[illegible][illegible]



Lower Park & Pond Spices Road in the Southern part of the State of New York  
The view is from the road looking towards the pond and the surrounding hills  
The pond is in the foreground and the hills are in the background  
The sky is blue and the water is green







Stone Peaks Rise Like Cathedral Spires Above the Jagged Waves During David's Fine  
Luncheon on the Level. The water is calm, and the peaks are of a fine, white, crystalline limestone. The  
Pinnacles are the highest peaks of the range.





Utah's Wild Four Corners Country Is One of the Largest Roadless Areas in the United States  
Because of the desert landscape, it is difficult to travel through the area. The only way to get  
to the area is by a long drive.





#### \* Switchback Trails Force Jeeps to Zig in Low, 2nd in Reverse

The first jeep, with a driver and a passenger, was seen to zigzag in the low, 2nd gear, in reverse, as it moved down the steep, sandy hill. The second jeep, with a driver and a passenger, was seen to zigzag in the low, 2nd gear, in reverse, as it moved down the steep, sandy hill.

#### † Horse and Man Seen to Agree: It's Tough Going

The horse and man, seen to agree, were seen to zigzag in the low, 2nd gear, in reverse, as they moved down the steep, sandy hill. The horse and man, seen to agree, were seen to zigzag in the low, 2nd gear, in reverse, as they moved down the steep, sandy hill.







in Desert Come a Man May Drink and Cool His Brow but Never Bathe in a Pot-hole.

$\mathcal{F} = \{f_1, \dots, f_n\}$  is a family of functions from  $X$  to  $Y$ . Let  $\mathcal{F}_n = \{f_1, \dots, f_n\}$  be a subfamily of  $\mathcal{F}$ . We say that  $\mathcal{F}_n$  is a  $\delta$ -approximation of  $\mathcal{F}$  if for every  $f \in \mathcal{F}$  there exists  $f_n \in \mathcal{F}_n$  such that  $\|f - f_n\| \leq \delta$ .





From Mammie Carson's Brink, Palms Hundreds of Feet Tall Appear Low. Toothbrush  
 Canyon, 1900. Photo by Mammie Carson. Original in the collection of the University of  
 North Carolina. 1900. 17-114. 17-114. 17-114. 17-114. 17-114. 17-114. 17-114. 17-114. 17-114. 17-114.





### Nearly as High as Washington Monument Bears This George Yurdstick

That is the name of the monument which stands on the site of the old city of Washington. The monument is made of stone and is nearly as high as the Washington Monument. The monument is a symbol of the city's history and is a reminder of the city's past.





Means for Breakfast? No, Jose Martinez's Canyon Explains Start the Day with A Good Breakfast

By the way, the illustration is a reproduction of a painting by Jose Martinez, a Mexican artist who lived in the United States. The painting is titled "Breakfast" and is a reproduction of a painting by Jose Martinez, a Mexican artist who lived in the United States.









See page 100

Cattle and Horses on Road. The road is the highway of the local Natchez Range. Road of Road Range and Ten Pines.

For more information see the book "The Natchez Range" by the author, published by the Natchez Range Association, Natchez, Miss.



# Fred Horses Enjoy a Well-earned Ride after a 2,500 foot Climb down Cedar Cove (Background)

We were not able to get a photo of the horses in the middle of the climb. The horses were in a line and were in a line.

at the top of the





# Meet the Kids Above Stone Gardens Charming & Golden

A beautiful garden with  
 many colorful flowers  
 and green plants. The  
 garden is filled with  
 many different types of  
 flowers, including roses,  
 tulips, and daisies. The  
 garden is also filled with  
 many green plants, including  
 ferns and ivy. The garden  
 is a beautiful and peaceful  
 place to visit.

The garden is a beautiful  
 place to visit.





# The Three Little Animals and the Wolf

Once upon a time  
 there were three little  
 animals who lived in  
 a forest. One was a  
 lamb, one was a pig,  
 and one was a sheep.  
 They were very friendly  
 to each other and  
 often played together.  
 One day, a wolf came  
 to the forest. He was  
 very hungry and he  
 wanted to eat the  
 three little animals.  
 He went to the lamb  
 first, but the lamb was  
 too smart for him.  
 He then went to the  
 pig, but the pig was  
 too strong for him.  
 Finally, he went to  
 the sheep, but the  
 sheep was too fast  
 for him. The wolf  
 was very angry and  
 he decided to eat  
 them all.









a quick resolution. For the rest of the descent we would allow only one group at a time to go down the steep; the rest could wait at the top for their turn.

Tai's system prevented any further mishaps until we were nearly at the bottom. Then, on the steepest part of the trail, the rear cinch on one of the mules broke. At once the 300-pound pack began to slide up over the animal's head. Blinded, the mule swayed, slipped, and hung pawing the rock, half over the brink.

This time we were ready to write off the mule as a casualty for sure, but we reckoned without its will to live and without Roy's alertness. Somehow the mule held its fading somehow Roy got up the trail in time to grasp its reins and yank it back to life.

Once on the lower rim, we found the route to the canyon's edge an easy ride. From its lip we stared out across rocky and barren country, awed as much by the sheer size and knife-like abruptness of these cliffs and canyons as by their coloring (page 720).

When we had drunk our fill of this stupendous sight, Roy led the way back to a sandy grove of junipers. Here we set up camp and raised the flags of the National Geographic Society and the Explorers Club of New York (page 722). Sleeping bags were rolled out on the sand, a fire started, and a rich mulligan stew set bubbling in the Dutch oven.

### Visitors Drop In, the Easy Way

At sunrise we arose for a vigorous day with the cameras, only to be greeted with rain and a heavy overcast. "No pictures today," I sighed.

Saddling up, we set out to explore the base of the cliff anyway when suddenly, down over the end of Grand View Point, appeared two airplanes—Page Stocks and Glen McFall.

Galloping down to a small, sandy slope about two miles from camp, we waved frantically, and wings dipped in recognition.

"I think he's going to land!" yelled Kuss in amazement, pointing at Stocks' plane.

He was. Swooping low over the rim, scornful of rocks, cacti, scrub, and potholes, Page plunked his craft down on the little slope. His landing gear vibrated like a hammer but didn't snap. Soon Mac brought his Ta. 1 craft right down beside Page's.

Roy Holbrook, who had ridden pack trains all over this terrain, seemed unable to believe his eyes. "An airplane on the rim of Monument Canyon. And not one, but two. The folks back in Moab just aren't going to believe this."

Page shrugged off such talk. "Here's your mail, the mail, and the morning paper," he said briskly. "Now let's clean up this airstrip a bit."

We sat and stared at him. That hair-raising trip by pack horse down the cliff face, the tedious trekking, the careful planning—had all that work been unnecessary? Why, Roy looked so much like a Wolf. I said, "I don't know whether you could use pack horses for this country."

### Down into Monument Canyon

We had still to essay the depths of Monument Canyon on foot. From the rim it didn't look too difficult. Close inspection, however, showed that the rim had a bad overhang with a 50-foot drop to the closest talus slope. With a long rope we might have slid over, but it would have been quite a job to get back up.

Roy, as usual, came to the rescue. Poking around he revealed a hidden break in the rock which let us squeeze under the overhang and then, by a series of switchbacks, descend to the slopes of rubble slanting down to the canyon floor.

In 15 minutes we were on the bottom and studying the fantastic 500-foot monoliths (page 721). From a distance their jagged sides resembled the windowed walls of skyscrapers. On their topmost floors some of them wore, like little observation platforms, a protective cap of white sandstone. Standing on it—if one could scale that height—one would be nearly as high as tourists at the top of the Washington Monument and blessed with as striking a view.

The feeling I had had when skimming over the canyon by plane was reinforced by acquaintance with its pillars from below. They were not so much beautiful as overwhelming. I was reminded of a brilliant passage from Wallace Stegner's book, *Mormon Country*, in which he describes such great strata as "two or three petrified minutes of eternity."

To face them, he asserted, is "worse, in some ways, than facing eternity itself, because eternity is a shadow without substance. Here is a little of a few moments, geologically speaking. Here are thousands of feet of rock patiently deposited over millions of years buckled up into the air with the slow finality of an express engine packing into an orange crate, and as patiently being worn away over other millions."

### Canyon a Box-within-a-box

We found the canyon floor virtually barren of vegetation except for a few clumps of bunch grass stuffed along the talus slopes. But, though rough and trackless, it was open and not hard to explore.

The canyon itself was a kind of box-within-









### Roads Go On Ahead: New Horses and Mules Can Carry Some Tough Trails

As a result of the investigation, the author reports that the most common cause of the problem is the use of a single-phase power supply. The author also reports that the use of a three-phase power supply can help to reduce the problem. The author also reports that the use of a three-phase power supply can help to reduce the problem. The author also reports that the use of a three-phase power supply can help to reduce the problem.

While there was another to surprise with a different and more powerful display when the regular fair days of this fair began to come on. It took place in the new building, the "Great Exhibition," and it was a most interesting and successful one. The fair was held in the new building, the "Great Exhibition," and it was a most interesting and successful one. The fair was held in the new building, the "Great Exhibition," and it was a most interesting and successful one.

## Zoe's Best Friend Wins His Mystery

These Minute Books are preserved with the  
 Manuscript in the Bodleian Library, Oxford.  
 North British Newspaper Collection

The following is a list of the names of the persons who have been appointed to the various positions in the Department of the Interior, for the year ending June 30, 1901.

The author is grateful to the referees for their valuable comments and suggestions.

"I wish to see the world, but would not like to  
 see it from behind a microscope and establish  
 a record which I could not withdraw from  
 except they would allow me to marry.  
 I feel that this is the only way to get out  
 of it all."

I have a Zulu newspaper called *Ukhanya* (the light) which I have started. It is a weekly paper, and I hope to get it out in a few days. It will be a very interesting paper, and I hope to get it out in a few days. It will be a very interesting paper, and I hope to get it out in a few days.

From Chongchong, a trail leads through the valley to Ansheng, China, in the province of Kweichow. It is supposed to cross the plateau and, in a mountain, where a small house on the hill, called "Kao-chang" is located. It is the end of the bridge to the Kachin country. The trail is a very rough one, and it is not possible to go to the White River.

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Sipapu, the third and largest span, rises several miles farther up White Canyon (opposite page 731). Its proper dimensions are 268 feet long, 53 feet thick, and 220 feet high. Because its abutments now sit back a long way from the stream's main channel, the water can no longer exert much erosive pressure on the great arch.

Sipapu's geological origin, like that of the others, is simple. At a sharp bend of a meandering river, water seeking a straighter course eventually bored right through the rock wall and blown by the wind polished the hole and left the finely contoured span we see today.

Not quite so simple was the matter of nomenclature. Owachemo, Kachina, and Sipapu were once known, respectively, as Edwin, Caroline, and Augusta, after early explorers or their relatives.

To the United States Board of Geographic Names, these titles apparently seemed a little flat. When the bridges became a monument, the Board cast around for appropriate Indian names.

Unfortunately, the Indians of the vicinity weren't in the habit of naming bridges; they referred to them all, indiscriminately and rather inelegantly, as Ma-Yah-Tah-Tump, or "Under the Horse's Belly."

Undeterred, the Board turned to the Hopi, who were then thought to be descendants of the prehistoric Indians who had inhabited southern Utah. Edwin became Owachemo (meaning "Rock Island," applicable to the beehive-like formation at one end); Caroline became Kachina, as related above; and Augusta became Sipapu, for the Hopi's "Entrance to the Underworld," from which their ancestors were presumed to have emerged.

#### The Roosters of Robbers Roost

From Natural Bridges a new road enabled us to continue westward another 40 miles through White Canyon to the Colorado River. Long a hangout of outlaws and rustlers and the scene of many an Indian skirmish and range war, the area figured prominently in several of Zane Grey's western novels.

One of the most successful and most unusual of the desperadoes was Butch Cassidy, who holed up with his gang in a gulch known locally as Robbers Roost.

Born George LeRoy Parker, son of a pious convert to Mormonism, young "Cassidy" found respectability intolerable. Gathering a gang of free spirits, he proceeded in Robin Hood fashion to make life miserable for the law, the bigger cattle companies, the railroads, and the banks, from Canada to Mexico and from Nebraska to California.

When he stole horses for a getaway, or lifted a few chickens for a grubstake, Cassidy usually

left twice their value in clinking coin. He did his best: he gave to the poor; he scrupulously avoided Wyoming, whose governor had paroled him on a promise never to return.

He never shot a man until his final battle, oddly enough, that occurred in South America, where he tried with the help of one fellow rancher to hold off a whole company of cavalry.

People still hoh up who claim that Cassidy never actually died in that fracas in Bolivia, that he has been seen in Mexico, or Idaho, or some other spot. All I can say is that we caught no glimpse of him in White Canyon.

We pressed on to Dandy Crossing and changed the bell for Art Chaffin to come over from Hite and pick us up with his ferry, the only means of getting a car across the Colorado on its 255-mile course from Moab down to Navajo Bridge, Arizona.

In a few minutes the one-man large, powered by an ancient model-A Ford engine, groped across the river on its steady cables. We drove aboard (page 735).

"Five dollars for the car," said Art, "and 50 cents for each passenger."

"Mighty cheap," I thought, reflecting on the detour it saved.

#### Chaffin Makes His Dream Come True

The Crossing's history was not uninteresting, we found. Old Cass Hite, the hermit of the Colorado, had settled here in the 1870's, started a small ranch, panned for gold, and even established a short-lived post office. He is well remembered for having launched rumors in 1893 which started a gold rush downriver to Navajo Mountain. When no gold materialized, angry prospectors drove Hite into hiding for two years.

Years afterward, Mr. and Mrs. Chaffin moved in, cleared land, planted orchards, and set themselves up as a two-person town. Art dreamed of the day when a road would be built down to the river from Hanksville on the west and from Natural Bridges on the east.

His day came on September 17, 1936. After years of patient waiting and many disappointments, Art's road—completed mostly through his own labors, stood ready. Some 500 persons fanned down in 100 automobiles for the opening ceremonies, which

#### This Natural Bridge Is About a City Block Long

Sipapu arch, 268 feet from end to end, spans White Canyon in Utah's Natural Bridges National Monument. Pasito Indians being near by had only one name for any kind of bridge: Ma-Yah-Tah-Tump, or "Under the Horse's Belly." White men first called it Augusta, then turned to the Hopi language for the more poetic Sipapu, or "Entrance to the Underworld."









Desert Rocks - Sandstone and Shale - Play upon the Massive Naves and Buttresses of Cathedral Valley

Photograph taken by the author and his son, who are both photographers, in the summer of 1910.



Powered by an Automobile Engine. The Colorado River Ferry Served the Ferry at 150-mile Per Hour

Colorado River Ferry Served the Ferry at 150-mile Per Hour







Gwathorne Bridge, Tapered to the Contours of an Ax Handle Supports Three Exposed  
Cable-Stayed Towers. The Bridge is a Concrete Arch Bridge, Built by the National  
Bureau of Reclamation, U.S. Department of the Interior, Bureau of Reclamation, U.S. Department of the Interior.





### Unlike Most Four Corners Marvels, This Bridge Is Accessible by Road

Atop a hill, the bridge is a fine example of the architecture of the region. The bridge is a fine example of the architecture of the region. The bridge is a fine example of the architecture of the region.








$$A_{\text{eff}} = \frac{1}{\sqrt{2}} \sqrt{\frac{1}{1 + \frac{1}{2} \left( \frac{1}{\Gamma_{\text{eff}}} \right)^2}} \approx \frac{1}{\sqrt{2}} \left( 1 - \frac{1}{4} \left( \frac{1}{\Gamma_{\text{eff}}} \right)^2 \right)$$

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and the role of the accounting system in providing reliable financial information.

2. The second part of the document describes the various methods used to collect and analyze data, including surveys, interviews, and focus groups.

3. The third part of the document presents the results of the study, showing that there is a significant correlation between the use of accounting systems and the accuracy of financial reporting.

4. The fourth part of the document discusses the implications of the findings for future research and practice, suggesting that further studies should be conducted to explore the factors that influence the effectiveness of accounting systems.

5. The fifth part of the document provides a conclusion and a list of references.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and financial management. The text highlights that without reliable records, it is difficult to track expenditures, assess performance, and ensure that resources are used efficiently and effectively.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It mentions the use of surveys, interviews, and focus groups to gather information from different stakeholders. Additionally, it discusses the importance of using statistical software and other analytical tools to process the data and identify trends and patterns. The text stresses that a combination of qualitative and quantitative methods is often necessary to gain a comprehensive understanding of the issues at hand.

3. The third part of the document focuses on the challenges and limitations of data collection and analysis. It acknowledges that there are often obstacles to obtaining accurate and complete data, such as limited resources, time constraints, and potential biases. The text also discusses the importance of being transparent about these limitations and how they might affect the results of the study. It suggests that researchers should strive to minimize these challenges through careful planning and implementation.

4. The fourth part of the document provides a summary of the findings and conclusions. It states that the data collected and analyzed indicate that there are significant areas for improvement in the current system. The text identifies specific weaknesses and offers recommendations for addressing them. It concludes by emphasizing the need for ongoing monitoring and evaluation to ensure that the implemented changes are effective and sustainable.

5. The final part of the document is a conclusion that reiterates the main points of the study. It reiterates the importance of accurate record-keeping and the use of appropriate data collection and analysis methods. It also expresses confidence in the findings and the recommendations provided. The text ends with a statement about the potential for positive change through the implementation of the suggested measures.







### Manpower Comes to the Rescue of Horsepower

With the engine stalled, the author of Valley as a ... and ... the ... The ...

### Fleeing a Storm, the Author's Car Leaps Across a Stream

Specially geared the ... the ... the ...





included speeches by Utah's Governor Herbert Maw, Zake Johnson, and Art himself. Now several thousand dollars have been appropriated to improve Chaffin's trail, and oil and uranium prospectors moving in along it have boosted Hite's transient population to nearly a hundred.

The road up to Hanksville at the time we traversed it was hardly a boulevard. Of its 58 miles, about half is spent crossing and recrossing the bed of North Wash. One disgusted driver reckoned he had crossed it 76 times in 30 miles.

Hanksville itself proved to be a sad spot. Once knee-deep in rich prairie grass, the region around it is now unimaginably barren and desolate. The answer can be compressed into one bleak word—erosion.

The Mormons who settled this section in 1880 were both courageous and determined, but their very efforts to grow and expand as a community were their undoing. Water for irrigation was insufficient and unreliable, and the attempt to wring more from the earth by grazing and dry farming stripped away the topsoil.

In such a situation, perhaps the least useful doctrine for the settlers to have brought with them was polygamy. Yet it was precisely to practice this prohibited system that many of the Mormons came to isolated Hanksville and its environs.

One group holed up at Lees Ferry on the Colorado. When Arizona's Governor George Hunt visited the area, he was told about the polygamy and urged to stamp it out. Said Hunt, after a sour look at the town, "If I had to live in this place I'd want more than one wife myself."

Another group settled near the Capitol Reef buttes. In a certain gulch there, Mormons and their wives hid from the "Federals," and thus it acquired its piquant name, Calab Canyon—short for "calabitation," the official charge placed against polygamous Saints.

Such refuges served their purpose well enough. The Government couldn't be bothered to hound lawbreakers so far off the beaten track. Hanksville and its fellow oases developed undisturbed.

When polygamy died there, it fell to a subtler enemy, the economic impossibility of supporting more than one wife on wind-blown acres like these.

### Valley of the Goblins

Mormons of the Four Corners Country have come to take for granted the remarkable scenery that surrounds them. For example, one seldom sees a farmhouse set with an eye to the view, though there are some amazing sites for a picture window.

The Mormon ranchers around Hanksville long have known about the fantastic Valley of the Goblins, better known as "Goblin Gulch," only 10 miles to the north; but they have never made any fuss about it.

This amazing little valley, about eight square miles in area, looks like a convention of freaks. Crowded into its gullies and amphitheaters are hundreds of crazily carved sandstone figures, in inspiration somewhere between the bizarre creations of a Dali and the prehistoric statues of Easter Island (pages 706 and 726).

Staring at this extraordinary galaxy, I could only laugh and think to myself, "What a place for a high-school initiation on some moonlit night!"

Public interest in the gulch dates back only to 1949, when Art Chaffin and P. W. Tompkins of San Francisco visited it and took what are thought to be the first pictures ever snapped of its weird formations. Now it is in danger of being loved not wisely but too well by tourists more interested in leaving their mark than in preserving a very fragile whim of nature.

### Where Pioneers Met Their Match

Enthusiastic, but undeniably parched, we left the Gulch and drove west over State Route 24 through badlands as dusty and thirsty as ourselves.

The desolate settlements we passed bore route evidence of the struggle which Mormon pioneers made to cultivate this forbidding country, only to be forced away by flood and erosion from a land that just did not want to be farmed.

Beyond the cottonwoods of Calneville we crunched up the slopes of Blue Valley and prayed that the rains would leave us alone. This stretch of Mancos Formation is one of the worst places in the United States for a vehicle in a storm. In pioneer days, wagons crossing it in wet weather had to stop every 100 feet to have the mud backed from the wheels.

Passing up the narrow entry to Capitol Reef National Monument, with canyon walls towering 1,000 feet above us, we encountered signs warning us to "Get out fast in case of cloudburst!" A good bit of advice, we thought. But how?

Our luck held good, however. No rains assaulted us, and in 30 minutes we emerged from the gorge in front of the comfortable house of the superintendent, Charlie Kelly. From his windows we could look up at the red cliffs and white domes of the reef itself.

Said Kelly, "There's one last place you've got to visit before you head home. And that's Cathedral Valley."







# Where Turk and Russian Meet

An American Newspaperman's Reports on Conditions Along the "Barbed Wire Curtain," Turkey's Remote Soviet Frontier

By FERDINAND KUEHN

**“WHY DO you want to see Turkey's Soviet frontier?”** Dr. Halim Alyot, Director of the Turkish Press and Tourist Bureau, asked me as we sipped coffee in his office in Ankara.

“Because,” I answered, “it's going to be our frontier too. When Turkey comes into the North Atlantic Treaty Organization, an attack on your country will be an attack on mine.”\*

I said I would like to see what kind of people live on this frontier in the very shadow of Soviet power. I wanted to learn what they thought of their Soviet neighbors, and why their sons had volunteered to fight the Communists in Korea, thousands of miles away.

Dr. Alyot was friendly but noncommittal, reminding me that the whole 330-mile frontier with Russia is a military area.

He thought he could let me go as far as Kars, provincial capital close to the border. He wasn't sure I could get military permission to go all the way to the boundary, 35 miles beyond (pages 745-7, 752, 762).

But Dr. Alyot was better than his word. Within a week I was standing in the tower of a Turkish army post on the frontier itself.

Behind me the mountains and plateaus of Turkey stretched westward for some 800 miles to storied Istanbul and the Straits. Ahead, only 300 yards from the observation tower, was the Soviet Union. (See the new map of Southwest Asia, a supplement to this issue.)

From where I stood, the oil fields of Baku, a major source of Soviet power, were only about 325 miles away—little more than an hour's flying time for propeller planes, much less for nuclear jets.

## A Look Behind the Iron Curtain

A tall Turkish soldier in a British-type helmet was looking through a spyglass from the tower (page 755).

“What do you see over there?” I asked him. He handed me the glass.

I took a long, hard squint through an aperture in the wall. Straight ahead was a grassy plateau about five miles wide. It was as if a giant had laid out a colossal bowling alley leading into Soviet territory.

The sides of the alley were smooth, rounded hills, as bare of trees as some of the hills I have seen in Wyoming or Arizona. At the end of the alley was a rise just high enough to hide what lay beyond.

From a near-by hill I could have seen the snowy cone of Mount Alaguz, 13,435 feet high in Soviet territory. But from the border post the great peak was invisible, and there was no hint of the mighty Caucasus Mountains that rear their heads to the north, between the Black Sea and the Caspian.

The Turks had told me that the Russians had 25 divisions in the Caucasus area, a force greater than the entire strength of the Turkish army. I had expected to see impressive frontier fortifications, but the only visible evidence of this jealously guarded border was a barbed-wire fence that stretched across the huge howling alley. “The Barbed-wire Curtain,” I called it.

Through the spyglass I saw observation posts on the Soviet side, but no soldiers, no villages, no people.

I shivered to think of this treeless no man's land in the winter, when winds whistle down from the Caucasus and the temperature plummets to 30° below zero F.

## Lone Tractor Proves “Mechanization”

Luckily, I was there on a brilliant summer day. The border was as still as the surface of the moon except for the twitter of birds and the droning of a single gasoline engine. I turned and saw a tractor on the Soviet side, slanting down a grassy slope.

After days of traveling through the bare, almost tractorless grazing land of eastern Turkey, I thought the tractor looked as odd as a canal in Connecticut. I asked my Turkish soldier friend whether there were many tractors on the Soviet side.

“No,” he said with a smile. “Our unit has 35 miles of this border under direct observation at all times. And the only tractor any of us has ever seen is right here, opposite this tower.”

The Russians have made many claims that they are transforming Soviet Armenia, next door to Turkey, into a paradise of mechanized farming. But no foreigner can go there to see for himself.

The Turks are sure that this tractor, next to the Barbed-wire Curtain, is there for show purposes, solely to impress them.

I handed back the spyglass and twisted down a spiral staircase into the spotless barracks of the Turkish border guards (page

\* Turkey joined the North Atlantic Treaty Organization on February 18, 1952.





### Ezourun, Once a Roman Outpost, Guards Democracy's Eastern Ramparts

When Rome was at the height of its power, Ezourun was a Roman outpost, and it was the only one of its kind in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East.

754. From Ezourun, the Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East.

The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East.

With the Roman Empire at its greatest extent, Ezourun was the only Roman outpost in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East.

With the Roman Empire at its greatest extent, Ezourun was the only Roman outpost in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East.

A horse belonging to the Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East.

The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East. The Roman Empire was at its greatest extent, and Ezourun was the only Roman outpost in the East.





Meet Members of the NAVJO Team Are These "Osway" Turkey's Tough GP's

Am. ... .. in ... ..





## "Next Stop, Russia . . . Everybody Out!"

The Russian Revolution has been a great success in many ways. It has given us a new world, a new world of peace and justice. It has given us a new world of freedom and democracy. It has given us a new world of hope and optimism. It has given us a new world of love and compassion. It has given us a new world of unity and harmony. It has given us a new world of peace and justice. It has given us a new world of freedom and democracy. It has given us a new world of hope and optimism. It has given us a new world of love and compassion. It has given us a new world of unity and harmony.

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It has given us a new world of peace and justice. It has given us a new world of freedom and democracy. It has given us a new world of hope and optimism. It has given us a new world of love and compassion. It has given us a new world of unity and harmony.

— Vladimir Lenin





eastern Turkey, where animals are the basis of the entire economy.

The Turkish Government arranged a border conference with the Kurds. Five Turkish soldiers each were put around a Turkish consular house for the Kurds to settle their disputes.

The Turks, with their usual overflowing hospitality, had loaded the table with vodka, cyparissia, and a whole lamb with trimmings, and brought on a relay of Turkish coffee.

But they might as well have demanded the surrender of Baku as to have expected compensation from the Kurds.

There was the Turkish Government has to pay a tribute to the Kurds. The Kurds don't want to do that, but the Soviet Government is their great neighbor, and the sanctity of Soviet frontiers—against a horse!

The Turkish-Soviet border around Baku is a piece of the Soviet border. It is the only place in Europe or Asia, except for a few miles in

the desolate north of Norway, where the Soviet border is not on a strategic, economic, and traditionally hostile neighbor.

On the National Geographic map which accompanies this issue you will see the black line of a railroad running northeast out of Turkey. That black line pierces the Soviet boundary and runs on to Leninakan, in Soviet Armenia, and to Yerevan (Yerevan), the metropolis and communications center of Soviet territory between the Black Sea and the Caspian.

This line, too, is unique. It is the only place around the entire 33,000-mile Soviet perimeter where a railroad provides direct connection between the territory of the North Atlantic allies and the Soviet Union.

Today this connection is more theoretical than real, for the cold war has frozen all Soviet-Turkish relations. Only an occasional caravan uses the railroad on official business.

Yet a train still runs. Every Wednesday and Saturday, except when snow halts it, the train comes slowly uphill from the city of Baku to the Barbed-wire Curtain.



747

Byline: D. M. K. Allen, Ph.D.

### Russians Take No Chances: Boycotts Will Paid for Bombs

The train still runs to Soviet Leninakan, a Turkish border town, and to the Soviet border town of Yerevan. Most of the train is empty, but it carries the few Westerners who enter and leave Russia regularly. At this point, Soviet border guards inspect every foot of undercarriage.

I saw the train and watched the solemn border guards as they took a complete look at its border crossing.

It had a tall-stacked engine, built, I guessed, around 1890, although I could find no trace on it. It had a coal car, a box baggage car, and a passenger car.

Except for one package, the baggage car was empty. The passenger car had only the Turkish train crew. At the back were two men: an army lieutenant, a police chief, and a customs guard. The rest of the train was empty.

### Soviet Guards in Full Dress

The train stopped a few yards short of the frontier, where it was to be over a line of barbed wire. The three Turks walked out and advanced to the boundary, the lieutenant in uniform, the police chief in civilian clothes, and the customs guard in a dark uniform.

From the Russian side two officers marched slowly down the tracks toward the boundary, followed by two privates carrying long, one-tipped rifles.

All four were dressed as if on parade.





Left to right, American, Turkish and Russian farmers.

### Aid to Turkish Farmers May Result in New Crops for American Fields

WASHINGTON, D. C., June 10.—The United States government is now making plans to help Turkey in the field of agriculture. Secretary of Agriculture Henry Wallace and other officials are studying the situation in Turkey and are planning to send a mission to the country to study the soil and the climate and to see what crops can be raised there.

They were very interested in the crops which the Russians are growing. They were also interested in the fact that the Russians were growing a great many different kinds of crops. They were also interested in the fact that the Russians were growing a great many different kinds of crops.

They were also interested in the fact that the Russians were growing a great many different kinds of crops. They were also interested in the fact that the Russians were growing a great many different kinds of crops.

Mr. Turkish minister of Agriculture, Ali Fikri, who had been in the United States during the war, whispered to me that he was very interested in the fact that the Russians were growing a great many different kinds of crops.

But don't talk to him," he warned. "They don't know much about American things."

Probably the Russians were very interested in the fact that the Turkish government was very interested in the fact that the Russians were growing a great many different kinds of crops.

During my stay in Turkey, I met a Turkish farmer, Ali, who is as tall and rugged as a Texan and as good a farmer as was waiting around. He was a good farmer and was very interested in the fact that the Russians were growing a great many different kinds of crops.

The Russians were very interested in the fact that the Turkish government was very interested in the fact that the Russians were growing a great many different kinds of crops.

### Rayners Probe for Hidden Bombs

I stood in front of the train and looked across the tracks to a station. The Rayners were on the side and the train started slowly. It was very slow.

As I saw the Rayners go in, I saw a number of men with their hands on their heads. They were very nervous. They were very nervous. They were very nervous.





## In Valleys of Northeast Turkey, Farmers Wrest Food from Circling Scow

As a result of the recent Soviet invasion of Turkey, many of the people in the valleys of the northeast have been forced to leave their homes and seek refuge in the mountains. The Soviet army has been seen in the valleys of the northeast, and the people have been forced to leave their homes and seek refuge in the mountains.

It seemed only three miles beyond the actual war zone, messengers (if any) must have been passing.

Half an hour later the little Turkish man returned, his face with the same pained expression. The same news, naturally, was repeated without the havenet plus as we crossed to Turkish territory.

### Birds Form an Aerial Escort

I wanted to travel at least a short distance on this railroading enterprise, so I climbed aboard for the first few miles of the journey back into Turkey.

Sitting on the open platform, with the engine chugging on, I felt as if I were on a magic carpet. The green howling valley between the mountain hills stretched ahead of me down to some green hills with ferns.

Thousands of birds filled the air above us, their voices a low, steady hum.

rows, already, were being scattered to escape the bitter winter. Some were hoopoes, as they are called here, and others were. They had reddish heads and bodies but wings that were white with several black spots.

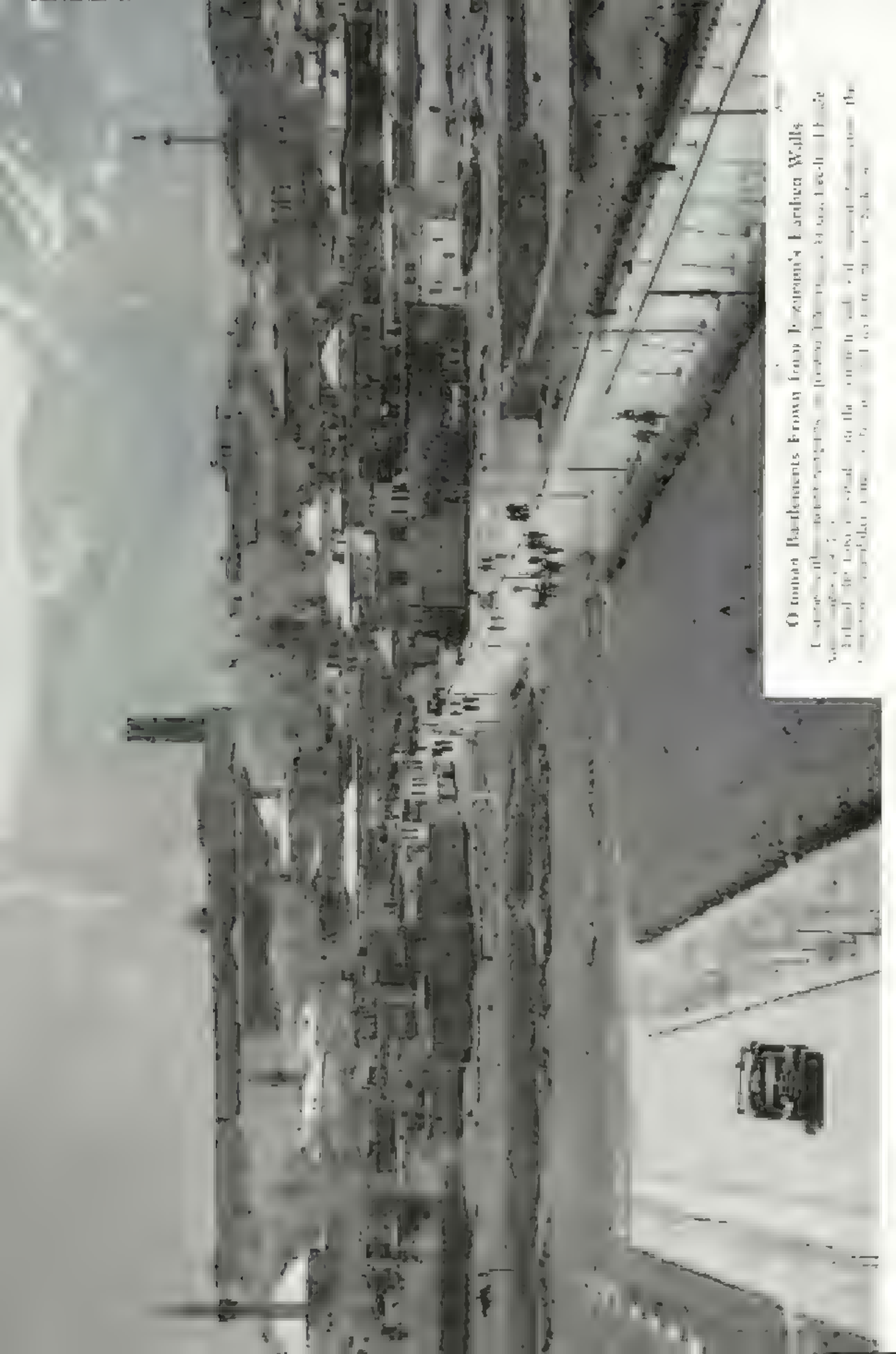
The same flock of birds was still flying over the hills in our company, and they were a most surprising sight, and more colorful than a flock of birds.

Some of them did not fly. They were sitting on the ground, some on the grass, some on the rocks, and some on the ground. They were a most surprising sight, and more colorful than a flock of birds.

And I was in the middle of the world at Kizilirmak. The river, suddenly, was a red line, a line of red water, and the water was a most surprising sight, and more colorful than a flock of birds.

There was a lot of birds, and they were a most surprising sight, and more colorful than a flock of birds.





Common Parlaments Brown from P. Brown's London Walls

London, 1700. The building is a large, multi-story structure with a complex roof structure, featuring numerous gables and dormers. The building is situated in an open area with a flat ground in the foreground. A small, dark, rectangular object, possibly a trash can or a small structure, is visible in the lower right foreground.



$\mathcal{L}(\mathbf{y}|\mathbf{x}) = \prod_{i=1}^n \mathcal{L}(y_i|\mathbf{x})$

[illegible]

—

A black and white photograph of a large, ornate, multi-story building, likely a government or institutional structure, with a prominent central tower and many windows. The building is surrounded by trees and other structures.





— Kars, Armenia —

### • Kars's Wide Streets Link City with Turkish Past

Kars's history as the last Armenian border town in the East is reflected in the city's wide streets, which link it to the Turkish past.

The city's wide streets, which link it to the Turkish past, were built by the Ottoman Empire in the 19th century. The city's wide streets, which link it to the Turkish past, were built by the Ottoman Empire in the 19th century.

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— Kars, Armenia —















### Recruits Learn How to Kill an Attacker Armed with Bayoneted Rifle

To kill an enemy soldier with a bayoneted rifle is the first lesson in the training of American recruits in the new army. The training is given in the form of a practical exercise. The recruits are divided into two groups, one of which is armed with bayoneted rifles and the other with machine guns. The recruits are then ordered to attack the machine gunners and to be killed by them.

During the past few months, State governments have been in Washington for another year and a half with the United States.

It is the duty of the government to work for the betterment of the American people, to make the life of the American people better and to make the life of the American people better.

Now the American people are in a better position than ever before. They are in a better position than ever before. They are in a better position than ever before.

At the same time, the American people are in a better position than ever before. They are in a better position than ever before. They are in a better position than ever before.

Now the American people are in a better position than ever before. They are in a better position than ever before. They are in a better position than ever before.

### Plans Send Turkey's President

Just before we landed in Istanbul, our plane was in a very bad condition. We were in a very bad condition. We were in a very bad condition.

It was the same with the President of the Republic. He had been in a very bad condition. He had been in a very bad condition.

We were in a very bad condition. We were in a very bad condition. We were in a very bad condition.









100

## Among Hike: Scarred by Weather and War Runs the Winding Road to Hars

A number of people have been arrested while protesting the ban on visiting the cemetery. Government spokesman Boris Ponomarev said, "It is important for the cemetery to be kept clean and free from anything that is disrespectful to the Russian people." But he said that the ban on burials is not a ban on the burial of Russian soldiers, but a ban on the burial of civilians. He also said that the ban on burials is not a ban on the burial of Russian soldiers, but a ban on the burial of civilians.

was placed in a box and flown from Turkey and placed in the hands of an Armenian rebel, a Turkish general was given a letter from Mustafa Kemal and the Ankara government to the British command.

From this process emerged also the  
 group of African workshops. He said again the  
 great work is to regenerate the black  
 nation and founder of the present Republic.

There is no generation policy. The most basic of human activities, domestic life, is being carried on in a state of hurry and confusion, and the

I saw a lot of people standing at the  
white house in front of the car and  
police for the first time in a long  
time. It will be by national troops  
driving down like autumn leaves. They are  
taking no chances.

James Turkington and I were present at a public meeting held in the lounge for instance at the home of the Lees on 11th Oct. at which the show there was given.

For the purpose of this study, the data were collected from the 1996 census, and the results are presented in Table 1. The results show that the majority of the population in the study area is engaged in agriculture, with a significant proportion of the population being employed in the service sector. The data also indicate that the majority of the population is engaged in full-time work, with a significant proportion of the population being employed in the service sector.

THE UNIVERSITY OF CHICAGO PRESS

[illegible]

For the first time, the Commission has put forward a proposal as has never done so before. It is a proposal that is good enough for all concerned countries.

1714-1804, 1804-1810, 1810-1816, 1816-1822, 1822-1828, 1828-1834, 1834-1840, 1840-1846, 1846-1852, 1852-1858, 1858-1864, 1864-1870, 1870-1876, 1876-1882, 1882-1888, 1888-1894, 1894-1900, 1900-1906, 1906-1912, 1912-1918, 1918-1924, 1924-1930, 1930-1936, 1936-1942, 1942-1948, 1948-1954, 1954-1960, 1960-1966, 1966-1972, 1972-1978, 1978-1984, 1984-1990, 1990-1996, 1996-2002, 2002-2008, 2008-2014, 2014-2020, 2020-2026, 2026-2032, 2032-2038, 2038-2044, 2044-2050, 2050-2056, 2056-2062, 2062-2068, 2068-2074, 2074-2080, 2080-2086, 2086-2092, 2092-2098, 2098-2104, 2104-2110, 2110-2116, 2116-2122, 2122-2128, 2128-2134, 2134-2140, 2140-2146, 2146-2152, 2152-2158, 2158-2164, 2164-2170, 2170-2176, 2176-2182, 2182-2188, 2188-2194, 2194-2200, 2200-2206, 2206-2212, 2212-2218, 2218-2224, 2224-2230, 2230-2236, 2236-2242, 2242-2248, 2248-2254, 2254-2260, 2260-2266, 2266-2272, 2272-2278, 2278-2284, 2284-2290, 2290-2296, 2296-2302, 2302-2308, 2308-2314, 2314-2320, 2320-2326, 2326-2332, 2332-2338, 2338-2344, 2344-2350, 2350-2356, 2356-2362, 2362-2368, 2368-2374, 2374-2380, 2380-2386, 2386-2392, 2392-2398, 2398-2404, 2404-2410, 2410-2416, 2416-2422, 2422-2428, 2428-2434, 2434-2440, 2440-2446, 2446-2452, 2452-2458, 2458-2464, 2464-2470, 2470-2476, 2476-2482, 2482-2488, 2488-2494, 2494-2500, 2500-2506, 2506-2512, 2512-2518, 2518-2524, 2524-2530, 2530-2536, 2536-2542, 2542-2548, 2548-2554, 2554-2560, 2560-2566, 2566-2572, 2572-2578, 2578-2584, 2584-2590, 2590-2596, 2596-2602, 2602-2608, 2608-2614, 2614-2620, 2620-2626, 2626-2632, 2632-2638, 2638-2644, 2644-2650, 2650-2656, 2656-2662, 2662-2668, 2668-2674, 2674-2680, 2680-2686, 2686-2692, 2692-2698, 2698-2704, 2704-2710, 2710-2716, 2716-2722, 2722-2728, 2728-2734, 2734-2740, 2740-2746, 2746-2752, 2752-2758, 2758-2764, 2764-2770, 2770-2776, 2776-2782, 2782-2788, 2788-2794, 2794-2800, 2800-2806, 2806-2812, 2812-2818, 2818-2824, 2824-2830, 2830-2836, 2836-2842, 2842-2848, 2848-2854, 2854-2860, 2860-2866, 2866-2872, 2872-2878, 2878-2884, 2884-2890, 2890-2896, 2896-2902, 2902-2908, 2908-2914, 2914-2920, 2920-2926, 2926-2932, 2932-2938, 2938-2944, 2944-2950, 2950-2956, 2956-2962, 2962-2968, 2968-2974, 2974-2980, 2980-2986, 2986-2992, 2992-2998, 2998-3004, 3004-3010, 3010-3016, 3016-3022, 3022-3028, 3028-3034, 3034-3040, 3040-3046, 3046-3052, 3052-3058, 3058-3064, 3064-3070, 3070-3076, 3076-3082, 3082-3088, 3088-3094, 3094-3100, 3100-3106, 3106-3112, 3112-3118, 3118-3124, 3124-3130, 3130-3136, 3136-3142, 3142-3148, 3148-3154, 3154-3160, 3160-3166, 3166-3172, 3172-3178, 3178-3184, 3184-3190, 3190-3196, 3196-3202, 3202-3208, 3208-3214, 3214-3220, 3220-3226, 3226-3232, 3232-3238, 3238-3244, 3244-3250, 3250-3256, 3256-3262, 3262-3268, 3268-3274, 3274-3280, 3280-3286, 3286-3292, 3292-3298, 3298-3304, 3304-3310, 3310-3316, 3316-3322, 3322-3328, 3328-3334, 3334-3340, 3340-3346, 3346-3352, 3352-3358, 3358-3364, 3364-3370, 3370-3376, 3376-3382, 3382-3388, 3388-3394, 3394-3400, 3400-3406, 3406-3412, 3412-3418, 3418-3424, 3424-3430, 3430-3436, 3436-3442, 3442-3448, 3448-3454, 3454-3460, 3460-3466, 3466-3472, 3472-3478, 3478-3484, 3484-3490, 3490-3496, 3496-3502, 3502-3508, 3508-3514, 3514-3520, 3520-3526, 3526-3532, 3532-3538, 3538-3544, 3544-3550, 3550-3556, 3556-3562, 3562-3568, 3568-3574, 3574-3580, 3580-3586, 3586-3592, 3592-3598, 3598-3604, 3604-3610, 3610-3616, 3616-3622, 3622-3628, 3628-3634, 3634-3640, 3640-3646, 3646-3652, 3652-3658, 3658-3664, 3664-3670, 3670-3676, 3676-3682, 3682-3688, 3688-3694, 3694-3700, 3700-3706, 3706-3712, 3712-3718, 3718-3724, 3724-3730, 3730-3736, 3736-3742, 3742-3748, 3748-3754, 3754-3760, 3760-3766, 3766-3772, 3772-3778, 3778-3784, 3784-3790, 3790-3796, 3796-3802, 3802-3808, 3808-3814, 3814-3820, 3820-3826, 3826-3832, 3832-3838, 3838-3844, 3844-3850, 3850-3856, 3856-3862, 3862-3868, 3868-3874, 3874-3880, 3880-3886, 3886-3892, 3892-3898, 3898-3904, 3904-3910, 3910-3916, 3916-3922, 3922-3928, 3928-3934, 3934-3940, 3940-3946, 3946-3952, 3952-3958, 3958-3964, 3964-3970, 3970-3976, 3976-3982, 3982-3988, 3988-3994, 3994-4000, 4000-4006, 4006-4012, 4012-4018, 4018-4024, 4024-4030, 40





38  
Sentries Watch from a Tower on Turkey's Skyline.

Erzurum Patrol Station commands the valley of the Aras River, 100 miles from the Soviet border. The post is manned by a retired Turkish corps commander. From it, American troops have been kept out of the area since the Soviet invasion.

and pride in his country. There was not the slightest doubt in my mind that he would fight and die for his country whenever necessary.

My opinion was borne out by witnesses much more expert than I—American officers in eastern Turkey and in the field. They know the Turkish soldier at firsthand.

The United States has sent 300 officers in Turkey. They are not only trained but also experienced. For the first time in the history of the world, soldiers had gone through American training courses.

#### Warfare Is Banned

The commander of the Americans in Erzurum, Col. Horace R. Fredrick, of Hugo, Oklahoma, drove me in a jeep around the old city. I noticed that he drove slowly and never blew his horn or honked at a civilian from the roadway.

"I'll bet all your drivers aren't so considerate," I remarked.

"Oh, yes, they are," the col me said. "They have to be."

And he told me of an order he had issued just the preceding day, an order forbidding all drivers of American vehicles to back at civilians. He had instructed his drivers to slow down to walking pace whenever moving through a town or village.

To make doubly sure that the order would be obeyed, the Oklahoma colonel paid a call on the mayor of Erzurum. He read the order and asked the astonished mayor, as a personal favor, to report any infraction directly to American headquarters in the town.

This consideration for the Turks has made an enormous impression on them. The stock of Colonel Frederick and his men, and of the United States Army, has risen at eastern Turkey.

These American officers believe that they have two jobs to do in Turkey. The first is to prove worthy of the respect and confidence of the Turkish Army and the civilian population. The second is to help in developing the Turkish armed force.

Unless they accomplish the first job, the second will not be able to succeed in the second.

Guided by the same principle, Colonel Frederick and his men have not only been successful in their









Canvas Huts House Turkish Soldiers in a Chill Mountain-side Camp near Iznik





American Aid Since 1962 Has Helped Turkey Guard the Wild, Barren Border Country













Kars Province, at the Soviet Border,  
Has an American-trained Governor

Soviet Air, youthful administrator of the province, I met and stayed in Massachusetts, California and Washington, D. C. (page 735). Above his desk hangs a portrait of Ataturk, Turkey's first President, the general of genius who broke with the veiled past and built a new nation where Europe and Asia meet.

He was troubled, though, by more than 100 cases of leprosy in the far southeast of his Province, where it borders Iran.

At dinner, in the vast dining room, the governor had as guests two local government inspectors who had come from the capital at Ankara. These young men were of high quality. They won their jobs only after the most rigorous competitive examination, in which out of 60 applicants only four managed to make the grade.

These inspectors spend six months a year traveling to the distant Provinces of Turkey to check up on the performance of local authorities and to offer advice and help.

To them, and to me, the governor talked of his hopes for the people of his Province

and of his desire to better their difficult conditions. He assumed that there would be no war if Turkey remained alert and strong.

"We Turks are happy to be free in our own country," he said. "We want the Russians to be happy in theirs and to let us alone."

Remembering his American experience, he talked of the difference between incorporated and unincorporated villages. "You see," he explained, "in this part of Turkey our villages are incorporated, which means that it will be hard to set up consolidated school systems or water plants. But we'll get them; just wait and see."

### One Secret of Turkey's Progress

I discovered then one of the secrets of Turkey's progress in recent years. Schooling is not yet universal, but there are now schools in 41 percent of the 40,000-odd villages. No matter how poor a Turkish boy may be, he has an opportunity to take a competitive examination and be trained, at government expense, for a career as a village teacher.

The central government, quite clearly, is aware of the people and their problems in the most distant parts of the country. I suspected that this was one of the reasons why every Turk, in Kars and elsewhere, feels that he has a stake in his country and is ready to fight for it.

On a dusty street in Kars, around the corner from the cobbled cattle market, I found an old tailor, Navrus Imer, who had a son fighting in Korea. He was sitting in his shop, which he shared with a barber.

I asked old Navrus what he would do if the "Moskows" came—"Moskows" being the universal Turkish name for the Russians, a name that goes back to the old Turkish wars against the Grand Duchy of Moscow.

"I'd sell them," the old man said without hesitation. "I have a horse, and I'll have a son in the army to fight against the Moskows."

There was a special reason why this old tailor hated the Russians; he had been born in Russia, and had been forced to flee to Turkey during the Bolshevik Revolution.

Not far from Kars I met Hacı Altiner, a Turkish war hero just back from Korea. He had been wounded 14 times at the Battle of the Kumuk (November 27-30, 1950), and he wore the American Silver Star.

"Why?" I said, "why do you volunteer to go to Korea when you live so near the Russian border?"

"The others in my regiment volunteered," he explained. "Anyway, I thought the best way to defend my village was to stop the Moskows in Korea."

Handsome Hacı has been in the United States since then with a contingent of Korean veterans from 18 countries. But he has paid





4. Cowboys Roll the Rocks in Kite  
 (The photograph is a reproduction of the original  
 from the American Museum of Natural History)

5. Dancers Dodge Death by Inches  
 (The photograph is a reproduction of the original  
 from the American Museum of Natural History)







### A Turkish Farmer Makes an Offer for Some New "Threshing Machinery"

Grandfatherly and kindly, he presented me with a bag of wheat, and then he showed me some of his threshing machinery. It was a simple, old-fashioned machine, and I saw that it was not very different from the one I had seen in the United States. He said that he had used it for many years, and that it was very good for threshing wheat. He also showed me some of his other machinery, including a plow and a sowing machine. He was very proud of his equipment, and I could see that he was a hardworking farmer. He said that he had been farming for many years, and that he had learned a great deal about his work. He was a very friendly man, and I enjoyed talking to him. He showed me some of his wheat, and I saw that it was very good. He said that he had been growing it for many years, and that it was very good for making flour. He was a very knowledgeable man, and I learned a great deal from him. He was a very good example of a Turkish farmer, and I was glad to meet him. He was a very friendly man, and I enjoyed talking to him. He showed me some of his wheat, and I saw that it was very good. He said that he had been growing it for many years, and that it was very good for making flour. He was a very knowledgeable man, and I learned a great deal from him. He was a very good example of a Turkish farmer, and I was glad to meet him.

to wife for his patriotism. He is a jeweler by trade, and his left arm is so shattered that he may never be able to repair a watch or fashion a brooch again.

There in Izmir, too, he saw some of my other agents—some Turkish natives. I saw some men and women in the city of 200,000, although Izmir was only ten minutes' flying time from the Greek coast.

### Turks Keep Cool and Steady

Mr. Atatürk's presence showed how well the whole Turkish government had taken to heart the Ministry of Foreign Affairs' warning against any kind of trouble. The whole government had remained quiet, for this, and I was amazed.

As part of the entertainment, six little young men in white suits and black bow ties were performing a ballroom dance. They had come from the city of 200,000, and they were very good. It was a very nice surprise, and I was glad to see it. The skill of bagpipes

One of the dancers brandished a whizzing-looking knife as he advanced with a few steps toward his partner. He twirled the knife under the partner's eyes and then he, the later never doubted as he twirled away, in time to the beating of the drum.

Now it was the second man's turn to show his moves. He twirled a knife and twirled it as it was the top of a drum. He was a very good dancer, and I was glad to see it. He was a very good example of a Turkish dancer, and I was glad to meet him.

Both men had been with me for a long time, and I had seen them many times. They were very good dancers, and I was glad to see them. They were a very good example of Turkish dancers, and I was glad to meet them. They were a very good example of Turkish dancers, and I was glad to meet them.

\* The author of this book is a Turkish writer, and he has written many books about Turkey. He is a very good writer, and he has written many books about Turkey. He is a very good writer, and he has written many books about Turkey. He is a very good writer, and he has written many books about Turkey.



# Paris, Home Town of the World

All Nationalities Know the Magic of the Siren "City of Light,"  
2,000 Years Old but Young as Spring

By DONALD WILLIAM DRESDEN

With Illustrations by National Geographic Photographer James L. Smith

AS I entered the familiar hotel once again, the proprietor's wife looked up from her paper. "Welcome back to Paris, monsieur!"

Thanking her, I said I hadn't thought I would be back so soon.

"But, monsieur!" she exclaimed. "Surely you expected to return?"

I assured her I had.

She beamed. "Ah, yes," she said, "everyone always comes home."

The *patronne* was right. The appeal of Paris is so universal that in a sense the city is everybody's home town.

I have come 'home' to Paris many times and in many ways. Approaching it by air at the velvet hour of twilight, I have seen the capital glowing like a bed of hot coals. Wriggling through its suburbs by automobile, I have stolen upon it almost unawares.

But this time I came to the City of Light by train, from the port of Cherbourg across the pastures of Normandy. I liked this approach then, as always, because in the train's own movement I sensed a gathering impatience which matched my own, a crescendo of expectation for the delights of the capital.

Outside my window the farm lands gave way to towns; the towns clotted abruptly into suburbs; the train rushed headlong into the smoky shed of the Gare St. Lazare and drew to a stop. Paris. And home.

On the station platform constabulary porters in blue smocks and berets swarmed over the luggage. One stocky fellow, a smiling, hand-rolled cigarette drooping from his lip, snatched my bags and trotted off, favoring me with only one word of explanation: "Taxi."

## Battle of the Boulevards

Soon I was in one. A rickety antique, it looked as if it had been left over from those commandeered by General Gallieni to rush troops to the Battle of the Marne. With bulb horn squawking impatiently, it sailed into the frenzy of Parisian traffic.

But just as an accident was not long in coming, I was not driven, of course, to the Boulevard. For the car was filled with waving arms, cries of "*Expèce d'idiot!*" and various other phrases not generally found in the *bonneterie*.

Paris, when at length I could settle back in

my seat to contemplate it, looked as familiar and as welcome as an old friend. The great plane trees with their gnarled trunks and elephant-ear leaves, the lichen-encrusted chestnuts and acacias, all seemed to share with the city its patina of dignified old age, gray but indestructible.

Along the narrow streets crouched the tiny shops I had known so well, their windows windowed with price quotations for wine, bread, meat, and other edibles. Kiosks, harbored with layers of candy, or weekly papers, and pillars festooned with posters for the theater and opera, told me Parisians had not lost their appetite for politics, polemics, and the arts.

The French themselves, some in patched denim, some as chic as next week's showings, seemed as always to have stepped from a canvas by Renoir.

I left my bags at the hotel and took to the streets again, on foot, driven by the desire common to tourists and old hands alike to swallow Paris at a gulp, to see everything at once, whether for the first time or the fiftieth.

## Where Burns the Flame of France

Walking up the great Avenue of the Champs Elysées to the Arc de Triomphe (page 773), I found I was not alone in my desire. Toward it also marched a column of gray-haired Frenchmen. Many limped; all wore campaign ribbons. At the head of the formation strode a standard-bearer with the flag of the regiment.

Under the Arch from which rippled a huge Tricolor of France, these veterans of World War I bared their heads, eyes fixed on the flag and on the bronze plaque which commemorates the Liberation of Paris in August, 1944.\*

Their commander then stepped forward, bent down at the Tomb of the Unknown Soldier, and turned up the flame which burns there, low but constant, in honor of those who fell for France in World War I.

When the veterans had departed, I went up by elevator to the top of the Arch. Here, high above the Place de l'Etoile, I could study once more the twelve avenues which radiate from

\* See "Paris Lives Again" by Margaret Owen Williams, NATIONAL GEOGRAPHIC MAGAZINE, December 1944.





**Never Done, the Same, Under Fire, Good Talk—A River of Life at Its Best**

The following is a summary of the results of the first three years of the study. The first year of the study was devoted to the development of the instrument and the establishment of the reliability of the instrument. The second year of the study was devoted to the collection of data and the third year of the study was devoted to the analysis of the data. The results of the study are presented in the following table:

—The General Assembly on Thursday, December 10, 1903, passed the following resolution: Whereas the people of the State of New York are entitled to the benefits of a free press:

[illegible]

Shoguchi's own work in Japan, however, is the *Arts and Crafts Movement* of the 1920s. He is the author of *Arts and Crafts in Japan* (1929), the first book to introduce the movement to the United States. The book is a translation of his 1927 book, *Arts and Crafts in Japan*, which was published in the United States by the Japanese American Cultural Center. The book is a translation of his 1927 book, *Arts and Crafts in Japan*, which was published in the United States by the Japanese American Cultural Center.

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Page 514 of 514

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luminous, majestic. The strange, gaunt frame of the Eiffel Tower surmounted all.

My course took me past tangible evidence of Paris's place in the international scheme of things. Not far from the American Embassy, near the Concorde, W. Averell Harriman had established the headquarters of the Economic Cooperation Administration in a house once occupied by Talleyrand. Now it continued to serve as the focal point for ECA's successor, the Mutual Security Agency, charged with meshing the economic and defensive efforts of America and the free nations of Europe.

On the other side of the river from the Place de la Concorde I glimpsed the Quai d'Orsay, home of the French Foreign Office. Here was signed last year the momentous Schuman Plan for the pooling of Western Europe's steel and coal resources.

Near the Jéna Bridge, on the crest of a hill dominating the Seine, I saw the white Palais de Chaillot, where the United Nations held its Sixth General Assembly (page 775). Not far away I knew, were the permanent offices of the United Nations Educational, Scientific, and Cultural Organization.

Walking through Paris is walking through history, past and in the making. But the centuries sit lightly on the old city.

As I strode along the river, the fog rolled up and street lamps filtered their light gently through the gossamer, spilling a silky radiance on the smooth, black surface of the Seine. Passers-by emerged from the dusk and as quickly disappeared again, leaving behind them only the diminishing heat of metal-rimmed heels on the pavement. Buildings, tightly shuttered, took on an air of mystery.

Seeing these sights, hearing these sounds, inhaling the damp mustiness of Paris, I felt again what so many have felt before me: a sense that this capital of a foreign land was, paradoxically but truly, my "home town."

### Madame Distracts the Night Air

It is hard, in any event, to feel a stranger very long in Paris. For one thing, hotel-keepers, and especially their wives, take a proprietary interest in their guests. When I retired to my bed with a severe cold, Madame la patronne brought up to my room with a steaming pot of soup.

"*Ek bon, monsieur,*" she said, shaking a finger at me. "You Americans do not understand the danger of a current of air. *Voilà!*" And, spotting a window open a hairbreadth, she rushed over and slammed it.

"Now eat this," she commanded, and belled forth a body-strengthening broth delicately flavored with herbs and larded with tender morsels of chicken and beef.

Next day I struggled to my feet and set out

for a walk. I had gone no farther than the lobby when a voice with the authority of a traffic cop brought me up short.

"Monsieur, do you have on your woolen socks and muffer?"

Useless to protest. I retreated to my room and put them on.

At the sacrifice of such solicitude, I took an apartment on the Quai St. Michel, not far from the Rue de la Harbette and the Rue du Chat Qui Pêche, streets immortalized by Eliot and Paul in *The Last Time I Saw Paris*.

From my windows overlooking the Seine I could see on my right Notre Dame and its gargoyles (opposite and page 800), on my left the gray towers of the Conciergerie, where Marie Antoinette spent her last unhappy days, and, further down the river, past the delicate spire of the Sainte Chapelle, the classical Pont Neuf.

Views like that are an inspiration, but one cannot eat them. I hired a servant. She was French; therefore, I reasoned, she could cook. I invited a friend to dinner to back up his praises.

The soup was a signal of disaster.

Then came the chicken. By some strange technique, the cook had contrived to rip the wings and breast from the bird, leaving for my guest and myself a scant bit of inedible cartilage and skin. We retreated to the nearest bistro.

### To Cooking School in Self-defense

That was a sufficient solution for the evening. But, for the long pull, I decided on a more basic approach. I enrolled in the Cordon Bleu, Paris's celebrated cooking school.

My first night's lesson was the preparation of a *saucé Béchamel*—in plain American, a cream sauce, with no lumps. It came out well. Elated by my achievements, I belted variations of it over all manner of dishes.

Before long I advanced to *poulet sauté Gabriel*, which is chicken cooked in butter to a golden tan, spiced with shallots, salt, freshly ground pepper, and other seasonings, and then left to simmer for a couple of hours in white wine.

Next step was the discovery that a pound of chestnuts, carefully cooked in broth with a celery root and leeks and braced with egg yolks and seasoning, could make a delightful soup, *crème Chermouk*.

As time drew near for the final examinations, I practiced nightly on the preparation of wild and barnyard ducks. I cooked them with oranges, with peaches, with practically every fruit that Paris afforded. I even learned to marinate a goose properly in olive oil, vinegar, chopped shallots, carrots, parsley, and seasoning. My maid looked at it uncertainly.



"Do you think, monsieur, it will taste like goose?"

It did.

The ultimate test, on which my hopes of a diploma rested, called for the preparation—within an hour—of an *omelette Parmentier* (a potato omelette), *corned à l'orange* (diced with orange), and a dozen little tarts stuffed with apple purée and spiked with cognac—*tarte aux pommes*.

I passed. And afterwards, with the help of two friends and an excellent bottle of Saint-Emilion, I ate my masterpieces. I could truthfully say that it was the best examination I had ever tasted.

### A New Use for a Pavement

Paris was cold that winter, and into the apartment crept the marrow-chilling temperature of the tomb. Lying abed to read the morning papers, I found my hands getting too stiff to hold the pages.

Fuel was expensive, but at least it was not rationed, as it had been in the immediate postwar years.

During that grim period, a French friend of mine, alarmed at the effect of the cold upon his newborn daughter, had taken the matter into his own hands. Late one night he had slipped out of his apartment with a large sack and a pickax. Around the corner he went to work, as quietly as he could, on the streets' wooden paving blocks.

He had nearly filled his sack when the shadow of a policeman fell across him.

"And what do you think is under that pavement, monsieur? Gold?"

My friend looked up. "No, monsieur *feront*; what I want is on top—the wood. I have a baby in the apartment up there, and not enough fuel to keep her warm."

The policeman shrugged.

"But, the little one—" protested my friend.

The policeman gazed thoughtfully at the sack, then turned away. Over his shoulder he said: "Let us hope she will be warm, monsieur. I have three of my own."

### Galle Good Will for "l'Américaine"

This awareness that we are all, for good or ill, in the same boat seems to imbue the ordinary people of Paris wherever one lives.

When my wife joined me in the capital, we moved to a 10-room house, on the Avenue Foch, which had once been part of an even larger mansion. To the tradesmen of the neighborhood our affairs immediately became their affairs, to be discussed with all the frankness common to a big and unshibbied family.

Known quickly as *l'Américaine* despite her impeccable French, my wife achieved a certain popularity among the shopkeepers be-

cause, unlike so many of her countrymen, she would ask the price of a bunch of carrots before ordering them. That, to the Gallic mind, showed not merely good sense but good manners.

When, eventually, we were going to have a baby, interest along the Rue Pergolèse became even keener. Dropping in at the butcher's, my wife was watching him perform a surgical operation on some beef when he put aside his knife, left his work, and produced a chair.

"Madame," he said, "you must sit down. And what would you like, to give you the strength you need?"

That night we dined upon the finest filet mignon in all Paris.

Speculation about the sex of the expected baby grew from day to day. The druggist, the butcher, the florist, the baker—all had their theories. One day Madame l'Aigle, as we called the sour-faced news vendor, put the question directly.

"Madame, what is it that you are expecting?"

"A girl," replied my wife.

"But, madame, it is easy to see that you are going to have a boy."

Two weeks later my son Christopher was born. Respectfully I raised a tiny glass to the health of Madame l'Aigle, oracle of the Rue Pergolèse.

### The Lady of the Horses

Another remarkable Frenchwoman introduced herself in a rather strange way. On the first night in our new house we heard a whinny. We also smelled a strong whiff of ammonia. Since it seemed highly unlikely that horses would be quartered in this district of Paris, we chalked up our suspicions to overactive imaginations.

But we had been more right than we knew. Next morning we heard a clatter of hoofs in the courtyard below our back windows; doors swung wide, and a team of bays pranced out into the street, pulling a carriage. At the reins sat a French lady with a very firm pair of hands.

Goggle-eyed, our maid Denise cried out: "Look! *La dame aux chevaux!*"

From that moment, nothing could keep Denise at her cooking and cleaning when the lady of the horses appeared.

But there were other disadvantages. As winter passed and summer approached, the dung heap in the courtyard grew—and fumed.

We thought of calling the Minister of Health. In deference to our neighbor, however, we sought to see her first. Next day Denise announced: "The lady of the horses is in the kitchen."

She was. "I am Mademoiselle Jeanne."





**Young English Visitors Stand Spellbound by Venus de Milo, Dazzling Girl in 2,300 Years**

An English couple, a man and a woman, stand before the Venus de Milo, a marble statue of a woman, in the Louvre museum in Paris. The statue is one of the most famous works of ancient Greek art. The couple is looking at the statue with interest and admiration.



she declared, as if defying me to prove otherwise. The set of her jaw reminded me uneasily of Dickens's Madame Defarge, who knitted so implacably beneath the guillotine.

Politely, we told her we thought the horses and their by-products jeopardized the health of our family, particularly that of the baby, who was only a few months old.

The lady of the horses drew herself up.

"Sir and madame!" she thundered. "There is no question about the smell. That I admit myself, and I love horses. But surely you know that the smell is most healthful. No baby who sleeps above a stable has ever contracted tuberculosis. The air prevents it."

Perhaps it does. I have never checked the point with the medical authorities. All I know is that I would rather dispute the issue with them than with *la dame aux chevaux*.

At all events, when we needed a change of air, we found we could get it most agreeably in the Bois de Boulogne. We began to use it, in fact, as the French use it, as if it were our private garden.

Enclosing some 2,150 acres, the Bois contains magnificent trees, lakes, lawns, springs, bridle paths, and lanes. Its restaurants, where food is served under arbores and beside waterfalls, would do credit to Marie Antoinette's *Carême*, a father of French cuisine.

For a few francs we occasionally rented a rowboat or a canoe and scammed over the sunlit water. At other times we shared the children's delight in the miniature railway which runs from the Porte Maillot entrance to the little combined zoo and arboretum, the Jardin d'Acclimatation.

#### Seeing Paris from a Sidewalk Café

We were in no hurry. After all, as the Parisians would say, "Where do you want to rush to? You are in Paris already."

It is a spirit which pervades the city—a spirit which seems to assert, in defiance of the halcyons of efficiency, that the clock was made for man, not man for the clock. Parisian taxicabs may dart about the streets like nervous polo ponies. But not Parisian pedestrians. They don't stride; they saunter.

And they do not find it easy to pass a sidewalk café. At all hours of the day they are to be found sitting under the gaily colored awnings, sipping coffee or some other drink, amiably chatting and watching the rest of Paris pass in review.

I had a friend whose office was on the Champs Elysées. He was a businessman, a chap with many irons in the fire. But when a client came to call, he would steer him gently downstairs to the nearest café.

"Why sit in a stuffy office?" he would say. "Deals work out better when one can relax in

a friendly, unhurried atmosphere. Naturally

Besides, there is always something to see from a café, whether it be simply the parade of pretty girls, a political demonstration by inflamed students, or another attempt by the citizen to put the police in their places. (Incidentally, the picturesque cops the visitor sees on the street corners, their stiff blue capes sometimes lined with lead for swimming at rioters, are not *gendarmes*, as they're often miscalled. They are *agents de police*. The *gendarmerie* keeps order in rural areas.)

These impromptu experiments at needling the arm of the law can take many forms. There was the occasion a while back when a young man, dressed in the boots and jacket of a survivor, approached the Champs Elysées with a long chain. Holding one end to a passer by, he crossed with the other to the far side of the broad and busy avenue. To a second stroller he said:

Say, hold this and draw it tightly a moment, will you? Have to get a bearing net iss here."

With that he vanished into the crowd, repaired to a café, and watched with much relish the efforts of the police to untangle, and to understand, one of the worst traffic snarls in their experience.

More recently, another studious-looking youth asked the police if he might examine some of the hieroglyphics near the top of the Egyptian Obelisk that graces the Place de la Concorde.

With a true French regard for intellectual pursuits, the police not only agreed but suggested that he obtain the loan of an extension ladder from the Fire Department.

Up went the "Egyptologist," at 4:30 in the morning, carrying a pink umbrella and a walkie-talkie. By 10, a large crowd had collected, attracted by his waving umbrella. Fishing out a cigarette lighter, the pseudo-scientist announced over his radio that the excellent little gadget he held in his hand would light in any breeze, at any height. Moreover, it could be purchased at any of the better shops.

The crowd roared. So did the apoplectic police, but in a different tone. Not were they

THE NATIONAL GEOGRAPHIC MAGAZINE

#### L'Arc de Triomphe Symbolizes the Glories of French Arms

A cool breeze stirs the huge Tiroloir suspended from this monument to the victories of Napoleon Bonaparte. World's largest structure of its kind, it stands in the Place de l'Étoile, hub of a dozen famous avenues. Visitors ride an elevator to the top for a magnificent view of Paris. Beneath the Arch rests France's Unknown Soldier of World War I; his tomb marked by an eternal flame. Here a crowd watches President Aurod depart after 1951's Armistice Day ceremonies.









But Please, There Is Nothing  
Like a Potato

From the 1950s to the 1970s, the American public's perception of the United States changed from a country that was the "leader of the free world" to a country that was "the enemy of the free world." This change in perception was due to a number of factors, including the Vietnam War, the Cuban Missile Crisis, and the assassination of President John F. Kennedy.

It is not surprising that the results obtained from the above analysis of the data for the  $\beta$  and  $\gamma$  transitions in  $^{137}\text{Ba}$  are in good agreement with the results obtained from the analysis of the data for the  $\beta$  and  $\gamma$  transitions in  $^{137}\text{La}$ . This is because the  $\beta$  and  $\gamma$  transitions in  $^{137}\text{Ba}$  and  $^{137}\text{La}$  are both  $\beta$  and  $\gamma$  transitions, and the  $\beta$  and  $\gamma$  transitions in  $^{137}\text{Ba}$  and  $^{137}\text{La}$  are both  $\beta$  and  $\gamma$  transitions.

These results suggest that the use of a single, standardized, and validated instrument to assess the quality of life of patients with a specific disease may be a useful tool for clinical research and for clinical practice. The use of a single, standardized, and validated instrument to assess the quality of life of patients with a specific disease may be a useful tool for clinical research and for clinical practice.

Since the publication of the first edition, there have been several changes in the way that companies report their financial information. The most significant change has been the introduction of the new International Financial Reporting Standards (IFRS) by the International Accounting Standards Board (IASB). This standardization aims to improve the comparability and transparency of financial statements across different countries and companies.





A Standing Sentry, 984-foot Eiffel Tower Guards the Massed Flags of UN

The tower is the symbol of Paris and France. The tower is the symbol of Paris and France. The tower is the symbol of Paris and France.







At Roger Le Page's a Gray Lady Bakes Party Supper on Carbon-Leaved Smalls, Conversation and Warm Flax Bread

At Roger Le Page's a Gray Lady Bakes Party Supper on Carbon-Leaved Smalls, Conversation and Warm Flax Bread





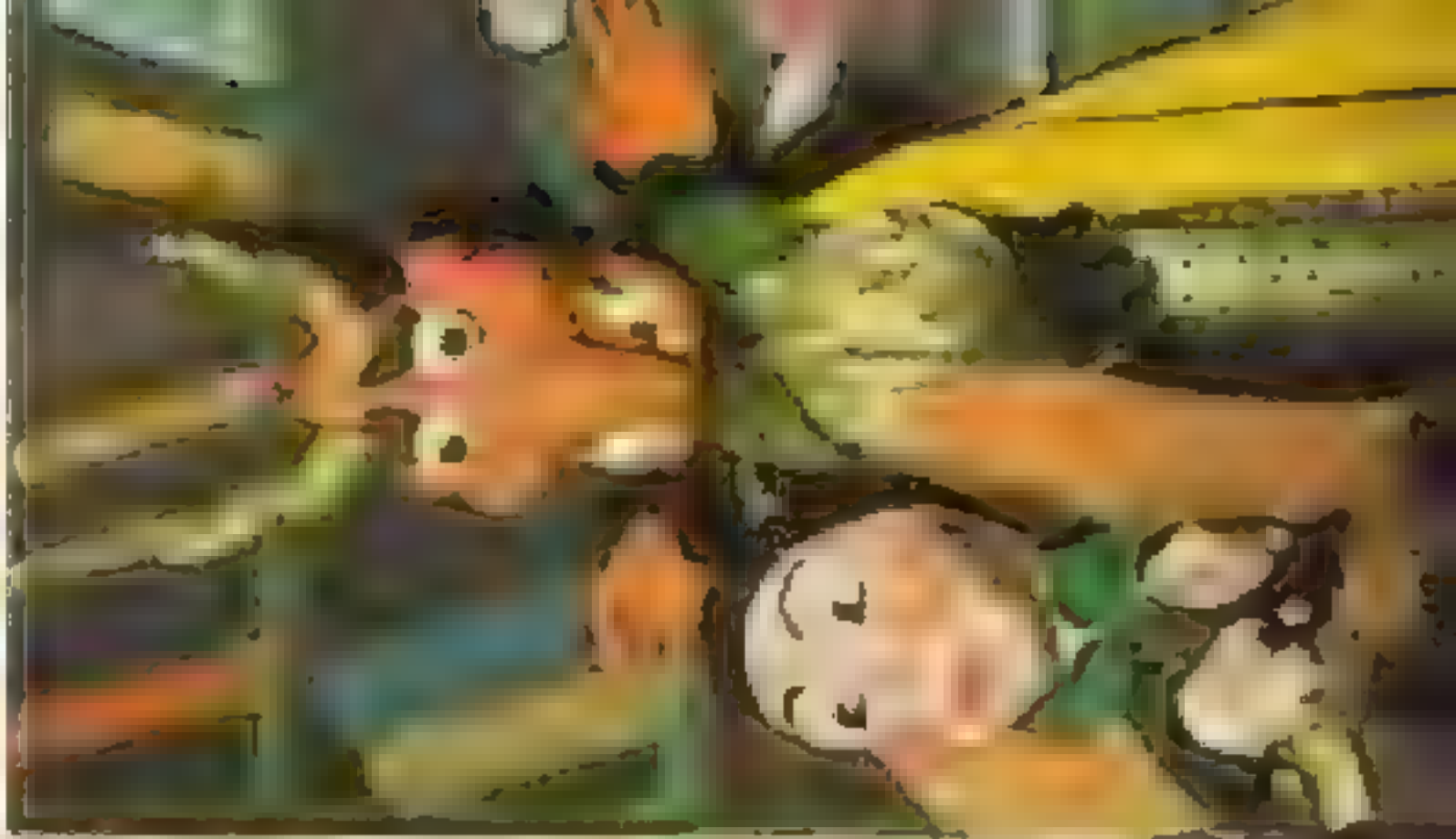


In the foreground, a large, ornate building with a prominent entrance and a clock tower. The building is surrounded by trees and a path. In the foreground, a horse-drawn carriage with several passengers, including a woman in a red dress, is visible. The carriage is pulled by a team of horses. The scene is set outdoors with trees and a path.

More information about the building and the carriage is available in the book. The book is available in the library.



Left: Faces Pay Tribute  
to a Puppeteer's Magic  
Right: A Puppeteer's  
Puppet Show in  
a Classroom  
Below: A Puppeteer's  
Puppet Show in  
a Classroom  
Below: A Puppeteer's  
Puppet Show in  
a Classroom







# Mr. Pangel: When Art Students Forget, Something Must Give!

The first of a series of articles in the "Art and Culture" section of the "The Daily News" is a review of the "Art and Culture" section of the "The Daily News" by the "The Daily News" staff.

any happier the next day when the Paris papers front-paged the advertising stunt with cheerful emphasis.

We ourselves were no strangers to the week-day life of the cafes and its passing show. But we tended to reserve Saturdays and Sunday afternoons for the Louvre, that sprawling treasure house of the arts, itself a history in stone (page 794).

Philip Augustus, we know, built the Louvre's first section as a fortress, around 1200. Charles V converted it into his residence. Catherine de Medici, that terror of her day, planned the building of the long gallery paralleling the Seine; she wanted to connect the Louvre with her apartments in the Tuileries.

### The Louvre: 45 Acres of Masterpieces

Louis XIV eventually allowed the building to fall into disrepair, but Louis XV refurbished it. Henry IV, Napoleon I, and Napoleon III ordered important additions which made the Louvre not only one of the largest—it covers some 45 acres—but one of the most beautiful palaces in the world.

What hangs upon its walls and stands in its great rooms is, of course, worth far more to civilization than the edifice itself. Nearly nine hundred famous paintings hang there: the Winged Victory of Samothrace, the Venus de Milo (page 771), and Leonardo da Vinci's Mona Lisa. But they are only three of its gems. To sample even cursorily its vast collection of French, Flemish, Italian, Greek, Egyptian, and other masterpieces is a formidable undertaking.

The Louvre, indeed, is so enormous and so mazelike that it is no trick at all to lose yourself in its corridors. Someone has calculated that it would take three months of fast, nonstop walking merely to glance once in passing at its collection of fine arts through the ages. And yet the same building also houses the Ministry of Finance and the National Lottery!

Not the least attraction of the Louvre is the people who frequent it. Parents enthralled by a painting learnedly explain its virtues to 8 year-olds who nod politely and hear nothing at all. Lovers, their fingers interwoven, sit on benches in a happy daze of contemplation. A bearded art student hurries in, stares at a Titoretto, and dashes off to his studio to catch on canvas that elusive color.

A source of wonder to numerous art lovers used to be that French *salon* remained cold for so long toward France's own masters of impressionism—Cézanne, Manet, Degas, Monet, and the others. The great collections of these artists' works were found outside France, especially in America. In later

years, however, the attitude of the Louvre and other French museums changed appreciably in this respect.

### Midwinter Night in Montmartre

My wife and I used to tackle the Louvre with caution, restricting ourselves to a few galleries, or only one, at a time. Even so, we would often emerge limp and eschentially a little numb. It would be pleasant then to take a subway or a trolley to Montmartre and its hill crowned by the basilica of the Sacré Coeur.

It is a steep climb, through narrow and winding streets, but in winter a lovely one. Snow, falling softly over the chimney pots of Paris, masks the harsh lines of cornice and gable, smooths the stern symmetry of classical façades.

Tourists tend to identify Montmartre with the Place Pigalle and its bawdy night clubs and well-pollitized "dens of iniquity." But there is a gentler side to the hill, typified by the Place du Tertre.

Around this tiny square cluster some of the oldest and most picturesque buildings in all Paris, preserved as if under glass. A restaurant, *Chez la Mère Catherine*, occupies one side, and a famous art shop another: *Au Singe Qui Lit* (The Monkey Who Reads).

In summer the Place takes on the atmosphere of a village square at carnival time. But on a winter evening it is quiet, almost deserted. The half-timbered houses huddle together for warmth. The door to a cabaret swings open, flicking a bit of light across the snow; from the rooms behind float laughter and the scrape of a violin. The door closes, and the square is silent again, hushed as if waiting to see if it is the brawling poet of the Middle Ages, François Villon, who has emerged.

### Central Markets at Midnight

Meet a man who has toured the cabarets of Montmartre has wound up at midnight, as I have, at Les Halles, the Central Markets of Paris (page 786). There are two sobering things to be found here. One is the realization that farmers have been sending their produce to this spot for at least 800 years, centuries before Columbus left his cradle; the other is an onion soup.

My favorite place to obtain the soup is the *Père Tranquille*, a restaurant whose concourse is noted for its restorative power. In its rich beef stock float paper thin rings of delicately cooked onions and chunks of French bread, sprinkled generously with grated cheese. As a second course, one can pick up from neighboring stalls cornucopias of French Irish potatoes just out of their sizzling bath—golden and crisp.



Revived, the reveler can watch the trucks and wagons rumble in from the city's outskirts with their neat loads of carrots, cauliflower, leeks, onions, potatoes, and other rural riches.

The farmers arrange their vegetables on the pavement as if for a still life—the white heads of leeks laid alternately with the green ends, the frizzled tops of carrots tucked opposite the orange-colored roots, the snowy centers of cauliflower nestled in green leaves.

To tour the whole market takes quite a walk. But there is this to be said about Paris: It's a city in which walking comes naturally. No towering skyscrapers oppress the pedestrian; no canyon walls of black and unornamented office buildings shut out the sky and belittle the man on foot.

The architectural scale, in short, is to man's measure. Buildings of note and worth are set off by a square or an avenue; they can be seen. Cramped streets there are; but to follow one is to anticipate with confidence the moment when a twist and a turn will suddenly reveal a guildhall, a church, an old and ornate hotel, a noble statue.

Even the massive bulk of Notre Dame de Paris, thanks both to its gracious setting on the Ile de la Cité and to the impeccable proportions of its great towers, seems impressive but not overwhelming. It is enormously old, the artisans who set to work on it in 1163 laid their stone over a pagan altar dedicated to the Roman Jupiter. Yet as sunset turns its gray walls to rose, the ancient cathedral with its rich central window appears not cold with age but warm with life (pages 768, 802).

### Eiffel Tower, Symbol with a View

A city so deft in the placement of its chief edifices can absorb huge incongruities of style. It would be hard to conceive of a greater architectural leap than that from the flying buttresses of Notre Dame to the girders of the Eiffel Tower and thence to the classical Dôme des Invalides, where Napoleon lies buried. But they are all equally symbols of Paris.

The Eiffel Tower, set off by the wide spaces of the Champ de Mars, is both a view in itself and an incomparable vantage point for other views. From its peak, on a clear day, one can embrace all Paris and its surrounding countryside within a 55-mile radius.

Two and a half million rivets hold together this skeleton of steel. In a strong wind one can almost feel the strain on the strange, emaciated structure (pages 775, 804).

The tower dominates but does not dim the gleaming roof of Les Invalides. Beneath it, in the curious blue light which filters down from the dome, rests the Emperor's sarcophagus, of antique red granite from Finland. Other gen-

erals and marshals of France, from Turenne to Foch, sleep near by in chapels or crypts. It is a stately resting place and, in its simpler elegance, peculiarly French.

One does not need to make the "grand tour" however, to discover the sights of Paris; a walk in almost any direction will reveal them. Thus, a stroll southeastward from Les Halles confronts one with the dramatic upthrust of the Tour St. Jacques, a beautiful remnant of the 16th-century church of St. Jacques la Boucherie; and, across the square behind it, the broad bulk of the Hôtel de Ville, the City Hall of Paris (page 797).

The Hôtel was rebuilt after being burned down in the turbulent days of the Commune. A flamboyant and appealing example of French Renaissance architecture, it has a profusion of gargoyles pecking over its roofs and a host of illustrious sculptured Frenchmen ready, from their niches, to burst into political speech at the drop of a top hat.

Close to the City Hall are the sewers. A few steps from the Hôtel a manhole leads to a flight of iron stairs down which I once climbed to the echoing and surprisingly non-odorous tunnels. I expected at any moment to see Jean Valjean racing out of the pages of *Les Misérables* and splashing off around the corner, with Inspector Javert behind him.

### Rambling Along the Left Bank

If Victor Hugo is the literary guardian of the sewers, then the spirit of Ernest Hemingway presides over the Left Bank. He lived in this quarter of the city, south of the Seine, and he wrote of it simply and well. One of his characters in *The Sun Also Rises* remembered a most colorful part, the Place de la Contrescarpe, this way:

"There never was another part of Paris that he loved like that, the sprawling trees, the old white plastered houses painted brown below, the lung green of the autobus in that round square, the purple flower dye upon the paving, the sudden drop down the hill of the rue Cardinal Lemoine to the River, and the other way the narrow crowded world of the rue Moutetard . . . [and] the high narrow houses and the cheap tall hotel where Paul Verlaine had died." \*

Equally appealing is the section near the Luxembourg Gardens, that lovely park where children old and young sail their boats beside the misty fountains, lovers stroll through the flowers, and donkeys draw cartloads of youngsters under the ancient trees (page 778).

Then there's the Rue Servandoni, just off the Luxembourg. A charming street, it meanders gently to the church of St. Sulpice.

\* Reproduced by permission of the publishers, Charles Scribner's Sons, New York.







### A Pretty Actress-Mannequin Adds Grace to Two New Paris Models

New models for the new French collection are now being shown in the Paris fashion show. The models are the two new Paris models, the actress-mannequin, and the actress-mannequin. The models are the two new Paris models, the actress-mannequin, and the actress-mannequin. The models are the two new Paris models, the actress-mannequin, and the actress-mannequin.

Insipidity is a thing of the past in the new French fashion show. The models are the two new Paris models, the actress-mannequin, and the actress-mannequin. The models are the two new Paris models, the actress-mannequin, and the actress-mannequin.

#### Stainless Make Paris Their Campus

Some stars are worth as much as the great artists. Some are worth as much as the great artists. Some are worth as much as the great artists. Some are worth as much as the great artists. Some are worth as much as the great artists.

There is a new campus in the city. There is a new campus in the city. There is a new campus in the city. There is a new campus in the city. There is a new campus in the city.

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\* *Journal of the American Medical Association*  
 1960; 175: 100-102

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[illegible]

*(The following text is extremely faint and largely illegible due to low contrast and blurring. It appears to be a list or index of items, possibly related to the "Bibliography" section mentioned in the page header.)*

*[The page contains faint, illegible markings.]*



provide fare that would grace the damask-covered tables of New York's most expensive dining rooms.

The proprietor of one such place, M. Jean, was a butcher before he took over his modest establishment. Perhaps that accounts, in part, for the superb Châteaubriant he provides.

This magnificent filet, thick, tender as butter, is a deep, crusty brown on the outside. Inside, it is purple to deep red, and so succulent that its juices almost squirt under the knife's pressure. With the beef come mounds of French fries. To wash them down, M. Jean offers an honest red wine.

Following the entree, one can enjoy a salad of crisp lettuce, gently turned in oil and vinegar, with a sprinkling of salt and freshly ground pepper. Then cheese. Then a bit of wine to accompany the last bit of cheese; and a little more cheese to finish off the wine.

It is not an imposing menu. But it is a meal to warm both body and soul, and to be able to come by it in a simple shop with a zinc bar and sawdust on the floor is a vivid illustration of the blessings of Gallic life.

#### For Americans, a Home-town *Herald*

Americans, it must be confessed, have added little to this cuisine. But in journalism we can rightly claim credit for a Parisian institution: the European Edition of the *New York Herald Tribune*.

Though published in English, it is no mere offshoot of Manhattan. It's a metropolitan daily with a home-town flavor—and Paris is that home town.

James Gordon Bennett, Jr., founded the *Paris Herald* in 1887. Even Paris found Bennett somewhat unusual. Deciding that the printer's ink used by the *Herald* was inferior, Bennett chopped around for a substitute. He found no black ink that satisfied him, so he bought red. For the next few weeks, until the supply ran out, *Herald* readers needed no rose-colored glasses.

Bennett had other whims. In one issue he ran a letter to the editor, signed "An Old Philadelphia Lady," which asked how to convert temperature readings from centigrade to Fahrenheit. Readers took that in their stride; but they were a little astonished to see it come back the next day, and the next.

He was a little annoying, they yet Bennett ran it only for 18 years and five months—a total of 18 times.

Why? Some claim it was for publicity; some that it was part of a Bennett crusade

for adoption of the centigrade thermometer; some that Bennett, too stubborn to admit having let it slip into the paper a second time, tried to pass it off as a deliberately scheduled daily feature.

However that may be, Bennett was no mere jokester. He was an exceedingly competent journalist. He introduced colored news from America, linotypes, photoengraving, and radios.

Even more important to Parisians, he picked a staff of truly brilliant writers. In addition to American and British newspapermen, he hired such European luminaries as Anatole France, Camille Flammarion, Pierre Loti, Marcel Prévost, Paul Bourget, and Gabriel d'Annunzio.

Perhaps the best known of the old *Herald* staffers was Sparrow Robertson, who covered the capital's sports, cafe society, and night life until he was past 80. Slight in build, with a thin mustache, a topknot, and a black hat, Sparrow looked like an overaged elf.

Touring the night spots till dawn, Sparrow would return to his typewriter and tack on to surrealistic grammar and syntax his recollections of the evening. He referred to friends and mere acquaintances alike as "My Old Pals"; some were delighted to appear the next morning in his column; some were not.

#### Frankie and Fifi—a Paris Problem

There are fewer pixies on the staff of the *Paris Herald Tribune* now, though in Art Huchwald a worthy replacement for Sparrow has been found. Under the direction of such sober-minded newsmen as Geoffrey Parsons, Jr. (who revived it after the Liberation), Walter Kerr, and Ruel Weate, the European Edition has developed a more cosmic viewpoint with better coverage and editorials.

The paper still keeps Americans in Paris in touch, however, not only with world affairs but with the World Series. And it retains even today much of the atmosphere of a home-town paper.

Not so long ago, for instance, it ran for several weeks in its "agony column" this plaintive appeal:

"FRANKIE ROBERTSON: Please come back to me, Fifi."

On the boulevards, in the cafes, at the news kiosks, readers pondered Fifi's problem and speculated at length upon her chances of finding Frankie again. Paris, perhaps, knew the answer. But Paris, home town or not, is discreet. Paris never told.

Notice of change of address for your NATIONAL GEOGRAPHIC MAGAZINE should be received in the offices of The National Geographic Society by the first of the month to affect the following month's issue. For instance, if you desire the address changed for your August number, The Society should be notified of your new address not later than July first. Be sure to include your present zone number.



Heart of Paris: Place de la Concorde shows us a Bath of Truth

The fountain is a masterpiece of French neoclassicism, designed by Jean-Baptiste Lapeire and Jean-François Chalgrin. It was built in 1785 and is one of the most important monuments in Paris. The fountain is a symbol of the French Revolution and the birth of the modern world.





Two Glittering Folies Bergere Beauties Await the 'On Stage' Call













With Lady Elton, the main Elton's "Kew Garden" scene in Blossom and Flower Display in the House



## Pope Theater Runs the Grand from Bible to Bible

As the world's largest theater, the Pope Theater runs the Grand from Bible to Bible. The theater is a large, ornate building with a high ceiling and a large stage. The theater is a large, ornate building with a high ceiling and a large stage.

The theater is a large, ornate building with a high ceiling and a large stage. The theater is a large, ornate building with a high ceiling and a large stage. The theater is a large, ornate building with a high ceiling and a large stage. The theater is a large, ornate building with a high ceiling and a large stage. The theater is a large, ornate building with a high ceiling and a large stage.

## Green and I wonder Happily to Paris, Why Not?

And what could it be  
that I am so sure of  
that I am so sure of  
that I am so sure of  
that I am so sure of  
that I am so sure of  
that I am so sure of  
that I am so sure of











Parisian Fountains Rise and Fall; Children, Pages, and Flowers Go On Forever  
 : I have just returned from a recent trip to Paris, where I had a most enjoyable  
 experience. The city was beautiful, and the people were friendly. I had a great time.





# A Union Army Paris Salutes Air Pioneers

A part of the 1st  
Air Corps, which was  
the first to fly over  
the city of Paris, and  
the first to land in  
France, after the  
army had been  
driven out of the city  
by the Germans, all  
the air men who  
participated in the  
campaign were  
honored by the  
Municipal Council  
of Paris.

# A Tree Vener Receives Official Acclaim

For the first time  
in the history of the  
United States, a tree  
has been named  
after a person. The  
tree, which is a  
white pine, was  
planted in the  
city of New York  
in 1890, and has  
since been a  
favorite spot for  
the children of the  
city.

By the City of New York













#### 4 Bookstall Browsers Need Not Hurry

They also enjoy the outdoor scene, and the chance to browse through the stalls, to find a book, a print or even meet an old friend. At the very best, they can have a good reason for an idle afternoon walk.

Strolling through the market, the market is a place of many things, and changes along the way toward the town square of Notre Dame de la Chapelle.

#### 4 Ah, Monsieur, a Real Find!

Strolling through the park, the market is a place of many things, and changes along the way toward the town square of Notre Dame de la Chapelle.

Strolling through the park,





A Rule of Renaissance Days. Hotel de Sens Watches Today's Children at Play

Illustration by the artist of the Hotel de Sens, in Paris, showing the children playing in the street. The children are dressed in late 19th-century clothing, and the scene is set in a narrow street with buildings on both sides.





In the Soft Folds of Summer Dusk, Paris Becomes Indeed the "City of Light"  
The Eiffel Tower, the city's most famous landmark, is here seen from the base of the tower, looking up at the moon and the city lights.

# We Dwelt in Kashgai Tents

An Adventurous American Couple Shares Daily Life on Camp and Saddle with Nomad Shepherds of Iran

By JEAN AND FRANK SHOR

*With Illustrations from Photographs by the Authors*

**F**AR IN the heart of the Near East, across desert wastes and barren mountain ranges of the Near East, the word "Kashgai" spells red-blooded adventure.

Ranging from Persian Gulf pastures to wind-swept highlands in the Zagros Mountains, the Kashgai tribesmen are saddle-bred, tent-dwelling descendants of the conquering hordes of Genghis Khan. In their ancestral lands of southern Iran, these proud and fiercely independent people preserve a nomadic way of life rare in our modern world.

The suave, slender man sitting across the table from my wife and me in a Tehran restaurant seemed far removed from such an existence. His well-tailored clothes and Oxford accent bespoke, rather, a London drawing room or gentlemen's club. Yet Malek Mansur Kashgai—proudly bearing the name of the tribe—is one of its hereditary chiefs and is famed throughout Iran for his heroism and prowess as a hunter (page 832).

"When you return to Iran," he said, "make us a visit. Live with the tribe, travel with us on our migration, share our everyday existence. Then you can tell others about the life of nomads."

A year later new assignments took Jean and me to the Near East. We wrote Malek Mansur, asking if his invitation still held good. Back came a cable: "We are in summer pastures. Hurry to Tehran. My cousin will escort you to tribal lands."

To Iran's capital we flew, only to receive bad news. The Anglo-Iranian oil dispute was reaching a crisis, and the Government had issued a decree strictly forbidding foreigners to enter tribal areas.\*

## His Majesty the Shah Intercedes

Appeals to the Press Ministry and Army were fruitless. In desperation we took our case to Mohammed Reza Shah Pahlavi, our gracious host during part of our previous visit.

The Shah was sympathetic. Two days later the Chief of Staff of the Iranian Army handed us a pass that permitted us to travel freely in Kashgai land. "With the compliments of His Imperial Majesty," he said with a smile.

With Habib Kashgai, Malek Mansur's cousin, we flew to Isfahan. He was accompanied by two servants. One carried shotguns, rifles, and a case of Coca-Cola, while

the other gingerly held a package that was encased in a box of crushed ice.

Half a dozen tribesmen in a jeep and a command car met us. Our luggage and Habib's supplies were loaded into the car. We climbed into the jeep and set out on the 50-mile drive to the town of Shahriza (see Southwest Asian map, a supplement to this issue).

At every large village sentries stopped us, but our pass proved an open sesame. One glance at it and the soldiers saluted and sent us on our way.

We left the main highway at Shahriza and journeyed overland on narrow trails that grew more rugged by the minute. Often we crossed swift mountain streams, each called for a halt to wet our dusty throats. Every time we stopped, Habib's servant cooled his mysterious package in the rushing water.

## Share Tribesmen's Rice and Lamb

At trail's end we camped for the night. Kashgai families had pitched black goat-hair tents near by, and we shared their dinner of fluffy rice and lamb broiled over open coals. Early next morning, mounted on horses and mules, we set out for Malek Mansur's camp.

"Now we're in Kashgai territory," Habib informed us. "All the people you meet from now on will be our tribesmen."

The jeep ride had taken us through arid country, bare and desolate under the scorching sun. Now the land changed as we rode toward the towering Zagros Mountains. Snow still capped their highest peaks, some of which reach up to over 14,000 feet.

Our horses picked their way through flower-strewn valley meadows and an occasional field of grain ripening beside the trail. Herdsmen in brightly colored robes tended flocks of fat-tailed sheep. White camels grazed everywhere. Horsemen, crest on finely bred animals, raised guns in salute as we passed.

Dark found us in Malek's camp, pitched in a high mountain valley. A snow-fed stream, lined with trees, ran through the cluster of canvas and goat-hair tents. The canvas shelters were bright blue, yellow, and red, in contrast to the usual black Kashgai tents.

\* See, in the NATIONAL GEOGRAPHIC MAGAZINE, "Journey into Troubled Iran," by George W. Lang (October, 1951), and "Mountain Tribes of Iran and Iraq" by Harold Lamb, March, 1945.





### A Blast on the Surnay Starts the Trek to Winter Pastures

In the first half of an hour, a strong wind from the north-east set in, blowing the dust and sand from the ground. The Surnay, a small boat, was blown to the south. We then started the trek to the south, following the Surnay. As the wind died down, we saw a herd of sheep and a flock of chickens led by housewives and flanked by flocks of sheep and chickens. The south for grazing lands near the Persian Gulf (page 821).

The country before the first half of the trek was very green. The Surnay, a small boat, was blown to the south. We then started the trek to the south, following the Surnay. As the wind died down, we saw a herd of sheep and a flock of chickens led by housewives and flanked by flocks of sheep and chickens. The south for grazing lands near the Persian Gulf (page 821).

It was like a scene from Marco Polo's travels. The Surnay, a small boat, was blown to the south. We then started the trek to the south, following the Surnay. As the wind died down, we saw a herd of sheep and a flock of chickens led by housewives and flanked by flocks of sheep and chickens. The south for grazing lands near the Persian Gulf (page 821).

elations were a little about the floor. Some dishes on a table. The Surnay, a small boat, was blown to the south. We then started the trek to the south, following the Surnay. As the wind died down, we saw a herd of sheep and a flock of chickens led by housewives and flanked by flocks of sheep and chickens. The south for grazing lands near the Persian Gulf (page 821).

After a friendly welcome, we were shown to our own tent, where servants brought us warm water in silver pitchers, pouring it over our hands as we washed. Mattresses stuffed with the finest feathers of mountain wildfowl covered our beds.

If this is the life of a nomad," laughed Jem, "let's join the tribe. I never realized what luxury is, without a lot of modern conveniences.

Dinner increased our amazement. A linen cloth was spread on heavy carpets in a tent with open sides. We ate from silver dishes. We fed ourselves from two huge platters of rice, one crusted with coffee and flavored with raisins and rich milk, the other filled with bread and partridge.

Other silver plates were heaped with roast mutton (a wild sheep), beef, and lamb. The most novel with us was a dish of mutton and rice. For there was eggplant stuffed with partridge and cooked in a yogurt, whole

roast partridge was put in the yogurt and not just a piece. The mutton was served in the Surnay, a small boat, was blown to the south. We then started the trek to the south, following the Surnay. As the wind died down, we saw a herd of sheep and a flock of chickens led by housewives and flanked by flocks of sheep and chickens. The south for grazing lands near the Persian Gulf (page 821).

"I apologize for this simple meal," said Malek when we staggered to our feet. "We were not sure of the exact date of your arrival, so we were unable to prepare a proper welcoming banquet."

As he spoke, two tribesmen appeared, striding and holding a long, narrow, massive horns more than a yard long. They placed the trophies on the ground, and the Surnay, a small boat, was blown to the south. We then started the trek to the south, following the Surnay. As the wind died down, we saw a herd of sheep and a flock of chickens led by housewives and flanked by flocks of sheep and chickens. The south for grazing lands near the Persian Gulf (page 821).



### Kashaya Relax Completely in the Saddle; Let Their Horses Take Most of a Year

They are not afraid of the horse, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.

and old to lanterns. And they are not afraid to ride, and they never mount and are not afraid to ride.

I have heard of them. They are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.

#### Awakened by the Low Flying Arm

They are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.

And they are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.

and they are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.

They are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.

And they are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.

They are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.

And they are not afraid to ride, and they never mount and are not afraid to ride. They are not afraid to ride, and they never mount and are not afraid to ride.





Zait Khan, "Father of the House" Leads a Kustai Household

As mentioned above, the *Shin Kaitō* is a useful secondary source. The authors used Japanese handwriting and stamps preserved in the Kan'ei Tsuho Museum Library to identify the individuals who were involved in the production of the *Shin Kaitō* in the 17th century.

There are two possible reasons for this. First, the model may be too simple, and second, the data may be too noisy. The model may be too simple because it only considers the linear relationship between the variables. The data may be too noisy because of the small sample size and the presence of outliers.

While Mary and I were on our way back to the restaurant, I noticed a car had been parked in front of the house. I went to check it out. I went through the yard. I was there when we got back to the house. I was there when we got back to the house.

Bruckner was a composer who was not tied to a single political line,<sup>2</sup> and Gold was a composer who did not see himself as a social commentator. The two styles of music we surveyed contrast dramatically with the kind of political and cultural statements that

[illegible]

But what was even funnier, in Thailand with Mahon, he reminded me you had in Thailand a nation that was the "strong" and over-extended and that was the "loser" every real ever heard. We would not agree to be more, we would say it enough for that, from London. This was in the package of roles, the story.

[illegible]



"After all," she said, "it is better to live than to die, and why not fish eggs?"

When Kashgai khans go hunting, they hunt in comfort. Instead of packing a lunch, they pack the whole camp (page 518). By the time breakfast was over, every tent had been struck and packed on mules and camels. A line of servants and heavily laden pack animals was weaving across the green valley.

Malik's bearer brought me half a dozen superb handmade English and Belgian worth a king's ransom. We had our choice.

"We like good weapons," Nasser Khan told us. "A Kashgai and his gun are seldom separated. We have a tribal saying: 'Keep your gun by your side and leave your money with

your wife.' A man who does that seldom gets into trouble."

Mounted on Arabian stallions, we galloped after the disappearing baggage train. A score of Kashgai men made up the hunting party and each of the khans, as well as Jean and I was followed by a gunbearer on a mule.

Kashgais are magnificent horsemen, with a true affection for their mounts. They stroked their sleek necks and patted them as they mounted; hands were gentle on the reins. In the Near East, where there is little regard for animal life, that is a rare thing.

By midmorning we had climbed to nearly 10,000 feet. The ground was rough and broken, covered with rocks, a stubble of grass and scrub cedar. Soon we heard the unmistakable call of the red-legged partridge. We reined in, and I prepared to dismount. Malik Mansur stopped me.

### Horsemen Shoot at Full Gallop

"We will hunt this flock in Kashgai land," he said. "You and Jean stay back a bit and wait."

The line of mounted men moved at a trot up the valley floor. Suddenly there was an explosive silence, and a bevy of partridges burst into the air and sped away like feathered bullets.

The stallions swept forward at a dead run. The Kashgais rose in their stirrups, reins loose on the horses' necks (page 515). Guns came up and spoke; suddenly it was raining partridges. I watched Malik Mansur. Man and horse seemed to be one. Three times he fired his Belgian automatic shotgun, and three times a feathered hawk exploded in the air.

After the first onslaught the riders reined their mounts to a halt. Bearers gathered the game. Forty-four partridges were hung from saddle horns.

We dismounted to hunt the remaining birds on foot. So as the Khan called a halt.

"It is enough for now," he said. "By next year this flock will be back to its original size. We don't want to wipe out our own game."

At noon we rounded a hill and came upon our camp, re-created in a new setting. In our own tent Jean and I found everything exactly as it had been the day before. Lunch was ready in the big dining tent, and after another lamp-laze meal everyone took a brief siesta. At 3 o'clock the camp came to life, but no one went for the horses.

"The afternoon sun is not good for hunting," said Nasser Khan. "We will remain here for an hour or two and enjoy the shade."

When a Kashgai has nothing else to do, he practices marksmanship. Servants placed targets on a hillside near the camp, and khans and minor chiefs took turns shooting.

Their skill was unachievable. Nasser Khan, during one of his turns, brought down five



crows flying past, firing offhand from a standing position.

On a later hunt, I saw Malek at full gallop drop five antelope with five rifle shots.

Used midget flash bulbs, we found, were much in demand as targets. Set up 50 paces from the shooter, they were difficult to hit with target rules. As the afternoon practice ended, the Khan had a servant place two bulks about 75 feet in front of our tent.

"We have been most impolite," he said. "We have not offered Mrs. Shot a chance to shoot. Does she know how to use a rifle?"

"I'll try," replied Jean. Carefully she aimed the target gun. It backed twice. Both flash bulbs disappeared.

The Kashgais looked amazed, then broke into shouts of delight.

"I knew that Texas background of mine would come in handy someday," Jean said.

#### Hunter and Horse Are as One

Keen as I was about the hunting, I found the remarkable oneness of the Kashgai and his horse even more fascinating. The finely bred Arabians seemed almost human. When a horseman stands in the stirrups and shoots at full gallop, his very life depends upon his mount's intelligence. A sudden swerve or stop can be fatal. These horses, perfectly trained, never changed course or stopped abruptly. They looked ahead for obstacles. When changing direction, they did it slowly.

Later, we were to spend a week in the tents of Ziat Khan, one of the principal subkhans of the tribe and its leading horse trainer.

This head of several thousand families is known as the "Father of the Horse." A bronzed, stocky man of medium height with deeply lined face, he is famous even among the Kashgais for his horsemanship (page 808). He trains the mounts ridden by Nasser Khan and Malek Mansur, and his strain of Arabians is the finest in the tribe.

More than 300 years ago the Kashgais first brought steeds from the deserts of Araby, and they have kept the blood lines clean. Their stockbreed is one of the ablest in the world.

Colling on Ziat Khan, we were surprised to find a clean-lined mare standing contentedly in one corner of his tent on a deep-piled Persian carpet, her foal nursing at her side.

"My prize stallion sired this colt," Ziat Khan told us, patting the neck of the beggy youngster. "He will make a wonderful mount, one of the best I have ever bred. He will live in my tent go where I go. A good mount is part of a Kashgai's family circle."

Our first hunt with the chiefs lasted three days; each day camp moved with the hunters.

When we returned to our original camp site, Malek said that arrangements had been made

for us to spend a few weeks with a Kashgai family in a camp a few miles distant.

"You will want to see how ordinary members of our tribe live," he said. "I think you will be surprised at the life they lead. In many ways our people are well off. They have comfortable clothes, enough to eat, and a satisfying existence. We are a free people, proud and independent. We have a lot in common with Americans. The degree of mechanization is not important; vital things go deeper, and in those we are very much alike."

#### In the Vanguard of Genghis Khan

That night, seated under the big tent, Malek Mansur and Nasser Khan told us the history of their tribe. Never written it is a story handed down from father to son for centuries, told and retold around thousands of campfires. No one knows it better than these brothers, for they are direct descendants of the family which founded the tribe, and which has ruled it for more than 400 years.

The Kashgais, according to their own legends, came originally from Chinese Turkistan, sweeping across Afghanistan and northern Persia (Iran) in the vanguard of the legions of Genghis Khan.

Considerable evidence supports this belief. They still speak the Turki language, with a dialect strikingly similar to that of Kashgar, in Turkistan. A number of their idioms come from that region. For instance, their use of the word "Tadrik" to describe a person they don't like may indicate a long period of proximity to, and disagreement with, the Tadrik people near Kashgar.

"In the time of Genghis Khan," said Malek, "we were not yet a separate tribe. After our ancestors settled in Azerbaijan, on Persia's northwest frontier, we came together as a unit. Then, around 1600, we made our way south, settling where we are now. The tribe has grown until there are about 100,000 of us, occupying nearly half of the Province of Fars, or Parsa, which gave old Persia its name."

#### Tribe a Band of Brothers

"The important thing to remember," Nasser Khan added, "is that we are all members of one big family. All Kashgais are brothers. For four centuries we have lived, hunted, and fought on that basis. It is our strength."

While legally subject to the Iranian Government, the khans are the actual rulers within tribal bounds. Serving under Nasser Khan are *kalaatars*, or subkhans, each with several thousand families under his control. The *kalaatars*, in turn, act through *kadkhudas*, or guards, each in charge of as many as 100 families. Beneath them come the *rish safs*, or graybeards, one to each few households,



**Rugged Tennessee Interiors, Hardy Like to Fight Tens of Millions**

So they drink tea from round tin plates, eat long, narrow, round, sweet, soft, and thin cakes, some of them gaudy. The Siam, which has many good reasons for the particular tea and food, is a very good one. The Siam, which has many good reasons for the particular tea and food, is a very good one.

Fortunately, the power of the words is able to overcome the very harsher tree to stand as a source of a knowledge of ka-lung to Nong Khun-mee.

learned little of the appeal. A ~~\_\_\_\_\_~~ on a salary and covered with ~~\_\_\_\_\_~~ of ~~\_\_\_\_\_~~ the Khan's ruling favored the ~~\_\_\_\_\_~~.

It is very possible to have a high IQ and still be a failure in life. It is not enough to have a high IQ. You must also have the right attitude and the right environment. It is not enough to have a high IQ. You must also have the right attitude and the right environment.

Next, a second chapter explains how the committee is formed and how it works, which discusses the committee's role in matters of movement and travel. If the elders feel that an individual is not fit to assume his father's position, the title can be passed to a younger brother or to another male member.

The Latin root in the word *conspire* is *spirare*, "to breathe." *Conspire* means "to breathe together," "to conspire," "to plot," "to scheme," "to conspire against," "to conspire with," "to conspire for," "to conspire to," "to conspire to do," "to conspire to do something," "to conspire to do something for someone," "to conspire to do something for someone's benefit," "to conspire to do something for someone's benefit."

and in 1967-68, it was found that 95 per cent of the total population of the country had been vaccinated for the second time.

What happens to the eldest son in the story? Ask!

[illegible]

Ed took away, he said, and changed the subject.

For the purpose of Kansas law, we are guided by *M. L. K.*, supra, and we agree with Illinois that the Illinois party could not claim the *K. L.* for money from the State of Illinois. *M. L. K.* and *Ill. v. K. L.* are not the same case. *M. L. K.* is a case of a party claiming that *M. L. K.* is a party to a conspiracy.

Sir A. was seated inside 2nd class but  
 got out in 1st. We then went  
 tent near by to find in our reception. Some  
 women are nearly naked among Muslim  
 people. we asked them about it.

[illegible]



to their own doweries, inherit property, and dispose of their own land and flocks as they see fit. Also, the wife is usually the family banker. She keeps the money, pays the bills, and keeps the family savings" (page 823).

#### Blizzard Victim Helped by Ali

Kashgai charity is direct and practical. We witnessed an example shortly after our arrival in Shir Ali's home.

A neighbor, Kalish by name, had moved his flock of more than 100 sheep high into the mountains. A heavy blizzard caught them a few nights before our arrival, and every sheep was frozen to death. Kalish, his wife, and four children were left destitute.

Gorgali, the kadhuda of the group, called a council of the heads of the 100-or-11 families under his control. The meeting was held at dusk around a campfire in front of Gorgali's tent. We were invited to attend.

Shir Ali walked to the meeting leading a fat ewe by a goat-hair rope. To our astonishment, every man had brought a ram or ewe. A few carried a lamb under each arm.

Gorgali called the meeting to order and made a speech remarkable for its brevity.

"I see you all know why we have met," he said. "Our brother Kalish has suffered misfortune. We shall make it up to him. Put your gifts in the sheepfold. Tomorrow Kalish shall lead them to his own pastures."

Kalish made a brief speech of gratitude, and the humor that is a vital part of the nomad's life flashed at the conclusion.

"I have been counting the sheep you have brought," he said. "I now have 15 more than I lost. That was a lucky blizzard!"

The Kashgais roared with laughter, left their gifts, and returned to their tents.

"It is our way of life," Shir Ali explained. "We all share good and bad fortune. No Kashgai household is ever destitute. If Kalish had perished in the blizzard we would have replaced the flock and taken turns tending it until his own sons were old enough to take responsibility for the family."

Life with Shir Ali was less elaborate than that with Malek Mansur, but equally exciting. The Lion of Ali was a typical tribesman, neither richer nor poorer than most of his fellows. He owned 160 sheep, more than enough to yield milk, cheese, and a daily portion of meat for his family. Six horses and eight camels provided transportation for himself, his wife, mother, two sons, daughter, and all their possessions.

A screen of woven rushes divided the family's goat-hair tent, about 14 by 25 feet. One half served as a bedroom; the other, living and dining room (page 821).

Here, in summer grazing land, Shir Ali owns 40 acres of mountain meadow. In winter pasture, near the Persian Gulf, he owns another 60 acres and rents two more of irrigated farm land from Nasser Khan. There he grows wheat and rice, which are stored in carapethags and carried by lumbering camels to the summer quarters.

Shir Ali's daily life differs little from his ancestors' 3,000 years ago. He rises at dawn, dresses in homespun shirt and trousers, homemade shoes, and slips on a coat woven from the wool of his own flock. After a breakfast of coarse bread, goat cheese, and tea, he and his sons take the flocks to pasture. Leaving the boys in charge of the sheep, he spends the day with his friends, hunting partridge.

He owns shotgun and rifle, but the birds are bagged by hand. "Shotgun shells," our host told us, "cost more than partridge."

#### Hunting Without Guns

Mounted on a gray Arabian, I rode with him and his friends on a weaponless hunt. It began in the same way as the hunt with the khans—a line of horsemen moving forward across an open plain. Birds were flushed, and the horses broke into a run. They followed the birds until they came to ground, then flushed them once more.

After three flights, each shorter than the last, the partridges' short wings could no longer lift their heavy bodies. The Kashgais dismounted and ran after the birds. The hunt netted four birds per man.

On horseback I had little difficulty keeping up with the hunters. On foot it was another story. The kashgads are swift runners, with remarkable endurance. Before the first bird was captured, I was gasping for breath and watched in amazement as the tribesmen ran uphill and down, seizing the fluttering game.

In the heat of the day we rested on carpets spread under trees, ate a lunch of bread and cheese, and played the ancient Persian game of *ash*. The game, similar to Western poker, is played with a brightly colored deck of wooden cards. There are five denominations: the *ash*, *slah* (or king), queen, warrior, and dancing girl. The Kashgais love to gamble, and stakes often run high. More luck than skill is involved, but bluffing is important; Shir Ali won three partridges from his less fortunate friends.

"Hunting is more than a sport with us," Shir Ali pointed out when we were back in camp. "A good hunter has a good larder. In the winter we have gazelle and antelope, in the summer mutton, ibex, and partridge. They are good to eat, and they save money."

Ali's sheep were penned by dusk. While



### Kidgiri Hunters Shoot Partridge While Riding Like Centaurs Across an Arid Valley

The Kidgiri hunters are riding their horses up the valley floor. When a party of hunters comes across a flock of partridge, they ride up to them and shoot. The hunters are on horseback, and the partridge are on the ground. The hunters are wearing traditional clothing, and the partridge are brown and white. The landscape is arid, with dry hills and sparse vegetation. The sky is clear and blue.





Wool, Father Hunts Box, Mother Spine Wool Yarn and Baby-sits in a Pasture

Figure 1 presents the mean  $\Delta$  for each group. Significant differences ( $p < 0.05$ ) were found between the two groups in the first two comparisons. When the data were collapsed across the two comparisons, the two groups did not differ significantly ( $p = 0.10$ ). When the data were collapsed across the two comparisons, the two groups did not differ significantly ( $p = 0.10$ ). When the data were collapsed across the two comparisons, the two groups did not differ significantly ( $p = 0.10$ ).



# 4 Is the Bride Swirling Too Behind Her Veil?

When you see a bride in a white dress, you know she is a bride. When you see a bride in a pink dress, you know she is a bride. When you see a bride in a white dress with a red floral pattern, you know she is a bride. When you see a bride in a pink dress with a red floral pattern, you know she is a bride. When you see a bride in a white dress with a red floral pattern, you know she is a bride. When you see a bride in a pink dress with a red floral pattern, you know she is a bride.

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# 5 An Elder Models the Tribal Hat

When you see an elder in a white dress, you know he is an elder. When you see an elder in a pink dress, you know he is an elder. When you see an elder in a white dress with a red floral pattern, you know he is an elder. When you see an elder in a pink dress with a red floral pattern, you know he is an elder. When you see an elder in a white dress with a red floral pattern, you know he is an elder. When you see an elder in a pink dress with a red floral pattern, you know he is an elder.

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Mounted Tribesmen Begin a Lively Tack to a New Camp Site in the Mountains

Mounted Tribesmen Begin a Lively Tack to a New Camp Site in the Mountains. The Tribesmen are seen in the foreground, and the mountains are visible in the background.



**"Keep Your Gun by Your Side and Leave Your Money with Your Wife"**

The above is a true story of a man who was killed by a band of robbers. He was a man of great wealth and was carrying a large sum of money. He was killed by a band of robbers who were carrying out a robbery. He was killed by a band of robbers who were carrying out a robbery.




$$T_{\text{eff}} = \frac{1}{\frac{1}{T_1} + \frac{1}{T_2} + \frac{1}{T_3} + \frac{1}{T_4} + \frac{1}{T_5} + \frac{1}{T_6} + \frac{1}{T_7} + \frac{1}{T_8} + \frac{1}{T_9} + \frac{1}{T_{10}}}$$
[illegible]

Kneeling Campers, a Party of White Women and Children, and Black and Blanket During a Sunday Stop







#### \* A Servant Rides Muleback with His Chief's Children

Master Kuan-tai, the chief, was  
very rich and powerful. He  
had many children, and  
they were all very beautiful.  
One day, the chief's son  
and daughter were riding  
on a mule with their servant.

The servant was very  
kind and helpful. He  
took care of the children  
and made them very  
happy.

#### \* Sister and Brother Travel as One

The sister and brother  
were very close. They  
always traveled together.  
One day, they were  
traveling through a forest.  
The brother was very  
kind and helpful. He  
took care of the sister  
and made her very  
happy.

© 1999 by the author





Women and Children Relax in Carpeted Ease Within Their Gourd-hair Tent

Abdulla, a young man, and his family, including a young girl, are seen in their tent, which is decorated with colorful patterns and fabrics.





A Little Nosed Air in Wonder and Delight as the Little Vapor Sphere, a Steaming Blue Ball on

[illegible]

# Tea Is Served in the Wu of a Khan

As he sat in the garden, the  
Wu Khan looked at the  
tea ceremony. When the  
tea was served, he saw the  
the tea ceremony.

The tea ceremony is a  
very important part of  
the Wu Khan's life. It is  
a ceremony that is held  
every day. The tea is  
served in a special way.  
The tea is served in a  
special way. The tea is  
served in a special way.

The tea ceremony is a  
very important part of  
the Wu Khan's life. It is  
a ceremony that is held  
every day. The tea is  
served in a special way.  
The tea is served in a  
special way. The tea is  
served in a special way.

# King's Fashion Young Travellers

When the king of the  
young travellers arrived  
in the city, he was  
very surprised. He saw  
the king's fashion.

The king's fashion is a  
very important part of  
the young travellers' life.  
It is a fashion that is  
very popular. The king's  
fashion is a very important  
part of the young travellers' life.

The king's fashion is a  
very important part of  
the young travellers' life.  
It is a fashion that is  
very popular. The king's  
fashion is a very important  
part of the young travellers' life.

King's Fashion







Solemn Kaffiyeh Feasts Begin a Month-Long Fast of Rice, Game, and Lamb

In the foreground, a man in a keffiyeh and ghutra is seen from the back, looking towards the table. The table is set with various dishes, including a large bowl of rice and meat, and several glasses. The background shows other men in similar attire, some standing and some seated, in a dimly lit room with a red wall.







• A Little Red Cap and a Little Red Cap  
With a Little Red Cap

There is a little red cap and a little red cap  
There is a little red cap and a little red cap  
There is a little red cap and a little red cap  
There is a little red cap and a little red cap  
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Camels, the Tribal Moving Vans, Wear Tasseled Scarves for Decoration



the women prepared the evening meal, he gave his sons their daily lessons. Our host was one of the few Kashgais who could read and write, and he was proud of his accomplishments. Each night, after the daily lessons, he spent some time teaching the boys the intricate Arabic script. During the day, while tending the sheep, they practiced

supper was the main meal of the day. Sher Ali's mother and wife cooked and served, but neither ate with the men. Rice was the mainstay of the diet, prepared in so many ways that it never became tiresome. Roast or broiled lamb was usually included, with frequent supplements of partridge, ibex, or mutton. The flesh of the mutton we found particularly flavorful. Darker than mutton, it tastes very much like beef.

After supper Sher Ali platted goat-hair ropes, repaired the family shoes, and tanned sheep and fox skins. His sons were constantly at his side, studying his every move. He was thorough in his instruction, and gentle, too, a trait we found common in the Kashgai treatment of their children.

Jean, sharing the women's life, soon found that a Kashgai wife is never idle. In the morning goats and ewes had to be milked, butter and cheese made by primitive methods.

"Every morning pots and pans are carried down to the stream and scrubbed with sand, then boiled for several minutes," Jean told me. "Milk is covered while it cools, and even the dirt floor of the cook tent is swept several times a day with branches of twigs."

The only vessel not washed daily was the battered stone pot holding the culture from which yoghurt was made. Every Kashgai wife takes a bowl of yoghurt to her new husband's tent, and the strains are preserved for generations. A little is saved from each batch to turn the next bowl of milk.

Kashgai cheese is of the simplest variety. The women leave goat's milk to sour in an open bowl, pack the curd in a homespun cloth, and twist the bag to force out all moisture. They tie a string around the bundle to hold it together, and leave it in a running stream while water washes through the curd. Dried again, it is compressed into small cakes and eaten with bread.

### Wealth Counted in Sheep, Carpets

Kashgai families count their wealth in carpets as well as sheep.

"The women are always busy with carpets," Jean observed. "If they aren't sweeping, washing, or mending a rug, they're making one."

Looms are set up outside the tents, and when household chores are finished the busy housewife takes her turn at rug making and the weaving of wooden cloth. A spindle and

ball of wool are constant companions of a Kashgai woman. Even as she walks or rides, her hands are busy spinning (page 814).

Rug making is like an old-fashioned quilting bee. Half a dozen women work together, laughing, talking, and exchanging neighborhood gossip (pages 826 and 827). While they work, their friends gather mountain herbs and berries and brew the natural colors for dyeing the wool. A woman works on one loom for a while and then moves to the carpet of a friend, finally returning to her own. Tact doesn't seem to be any particular division of labor, but work on every loom progresses steadily, and everyone seems satisfied.

### Health Good Despite Lack of Doctors

By Western standards the tribesmen's diet is seriously deficient in green vegetables and fresh fruit. Perhaps the heavy consumption of milk products makes up for the deficiency. Whatever the cause, there is little sickness among the Kashgais. Their active outdoor existence produces sturdy bodies and strong resistance to disease. It is fortunate, for there is not a single doctor in the tribal lands.

"Our greatest needs," Nasser Khan told us, "are emergency medical care and better education for our children. My eldest son is in the United States studying medicine. When he comes back as head of the tribe, he will be able to take better care of his people."

The khans are well educated. Members of the wealthier families study in Iranian and Turkish universities and even, like Malek and Nasser Khan's son, farther afield.

During the reign of Riza Shah, father of Iran's present ruler, Malek was exiled from his homeland for eight years. He spent the time to good advantage. He was graduated from the agricultural college of the University of Reading in England; then he took a degree in law at Oxford University. Further study in Germany and Switzerland rounded out his schooling. Now he is using his agricultural knowledge to improve the living conditions of the tribe (page 832).

"We have imported thoroughbred rams for our flocks," he said, "and have developed a sheep which produces more wool and meat than our native flocks, yet is hardy enough to stand our nomadic existence. To produce a better balanced diet we have also tried to import new varieties of grains and vegetables."

Irrigation of the arid soil of the tribe's warm winter pastures, south of Shinarump, has brought miracles of fertility.

"In Switzerland," Malek Mansur told us, "I found a nidget watermelon. It weighed only a couple of pounds. It would be nice, I thought, to have some to carry in the pocket of my jacket on hunting trips. I planted





### In a Haze of Desert Dust, Sheep and Goats Jog Along to Greener Pastures

For days the haze has been so thick that it is impossible to see more than a few feet ahead. The animals are so tame that they will come right up to the men and look at them with curiosity. The men are so tame that they will come right up to the animals and look at them with curiosity.

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We have been so tame that they will come right up to the animals and look at them with curiosity. The animals are so tame that they will come right up to the men and look at them with curiosity. The men are so tame that they will come right up to the animals and look at them with curiosity.

#### Early Snow Launches Migration

I was the collector. A large but not very heavy rain was falling. The ground was very dry. The animals were so tame that they will come right up to the men and look at them with curiosity. The men are so tame that they will come right up to the animals and look at them with curiosity.

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climate that drives him to migrate, but economic necessity. His land is too poor to support life on a year-round basis.

The days of preparation were hectic. Everyone worked from dawn until long after dark. Flocks were carefully checked and the weakest sheep butchered for meat. Horses were shod, camels examined for sore backs.

Women mended grain sacks, dismantled horns and carefully packed them in sturdy bundles. Graybeards went from tent to tent, making sure every family was ready. On the last night a great feast was held, with sheep roasted over open fires. The Kashgai danced and sang around the campfires until midnight.

A hare-skin drum and a surmay furnished the music, a weird, pulsing tune that seemed to go on forever. The surmay player was particularly proud of his ability and brought his long trumpet-shaped instrument close to our ears so we could better appreciate his talents. Habib translated the songs for us. Most of them dealt with Kashgai feats of arms, victories in battle against heavy odds.

The men did all the dancing. The steps were simple, with much whirling. Late in the evening several performers armed themselves with stout sticks and staged mock duels, swinging their weapons in time with the music.

### Camp Disappears as if by Magic

The surmay player had a dramatic role in the breaking of camp next morning. After breakfast, in the first rays of dawn, the camp looked exactly as we had first seen it. Hundreds of tents dotted the valley; sheep huddled together in their pens. Beside Gorgali's big tent stood the musician, atop a low hill commanding the valley. Slowly he raised the big, bazookalike instrument and blew a long, piercing blast (page 806). At the signal, Gorgali's servants pulled the stakes and his tent collapsed. Immediately every family in the tribe struck its own shelter, and the camp disappeared as if by magic.

Rugs were tied into bundles; cooking equipment went into big sacks. Camels grunted angry protests against the big bags of grain lashed to their backs. Donkeys brayed bitterly as they received their loads.

Tents big and small were folded into neat bundles for the pack horses. An hour later a mile-long procession wound down the hill, men on horseback leading the pack animals, women perched high on top of swaying camels, their skirts and robes billowing in the bubbling wind (page 807). Children rode on donkeys; young men and boys drove the flocks of sheep beside the trail (opposite page).

After an hour we halted to adjust loads, tighten ropes, and make emergency repairs.

"The first day is always slow," Gorgali told

us. "Later, we will average 10 or 12 miles a day. We travel three days, then rest one or more, to let the flocks recuperate."

We covered eight miles that day. An hour or so before dusk we stopped beside a stream. Flocks were corralled; camels kneeled to be relieved of their loads. Men and women worked together on the tents, and in an hour a new camp had sprung up. Carpets were spread on the ground, fires lit, and the good smell of roasting meat filled the air.

### Home Is Where Tents Are Pitched

"The best thing about being a nomad," said Gorgali after a good meal, "is that you're always at home." He patted the heavy carpet on which he lay. "Where is my home? Where my carpet is, there is my home." He smiled. "In the next two months we'll travel 280 miles and be home every night!" (pages 816 and 821).

As we moved slowly southward, other groups joined in the migration. Within a week a majority of the tribe was on the move; one sparkling morning we sat our horses atop a hill and saw the valley below us filled with men and animals. There was no confusion, no crowding as this great tide of men and beasts swept on to warmer pastures (pages 816 and 817).

The march was well organized, but not easy. Animals died or were injured and had to be left by the wayside. Men and beasts became footsore and limped beside the trail. There was a night when, in a narrow pass in the Zagros Mountains, we went to sleep beneath a sea of falling snow. At dawn, after midnight in a howling blizzard. Men and women worked side by side in the bitter cold, calving their frightened flocks, fighting to keep them in makeshift pens.

It was dangerous to remain in the pass, for, if the blizzard continued, the snow might drift and block the way. We broke camp in the darkness, packing the stiff wet tents with freezing fingers, and plodded miserably over the rocky trail in the early dawn.

Crossing a rocky, slitlike valley a horse and rider tumbled 60 feet down an abrupt cliff. Its rider stood. The horse struggled, a broken leg sticking out at a crazy angle. We turned our heads as we rode by, while the disconsolate rider sat on the animal's head to calm his struggles while he whetted the knife which would still them forever.

Day after day the migration went on, as it had through history. It was time for us to go. We were nearing Shiraz, where we could board a plane for Tehran. Reluctantly we told Nasser Khan that we must go.

"You must stay one more day," he said. "To-morrow night in your honor we will have a





### An Educated Rider Has a Good Seat—and Degrees in Agriculture and Law

Males Mansur, one of the secondary chiefs of the Kashgars, is a superb horseman and marksman; he is a graduate of the agricultural college of the University of London, England, and took a degree in law at Oxford. Like other members of the tribe—see his family—Males Mansur is a "kashgar," as his former surname. Lower tribesmen, unable to afford a gun, hunt without guns. On horseback, they flush the quarts repeatedly until the birds, too tired to fly, can be run down (page 822).

farewell banquet. We will invite kalantars from all the subtribes and have a real Kashgai feast."

#### Farewell Banquet—Kashgai Style

Nearly a score of tribal elders sat with us on light carpets under the big tent for that last feast (pages 824 and 825). Down the center of the white cloth five king-size silver platters were spaced. One held a mixture of rice, fresh vegetables, and plums. Rice with raisins, pistachio nuts, and chicken gizzards filled the second. Rice with cherries, lamb, and nuts was piled in the third dish; saffron-crosted the rice that filled the fourth. The fifth platter was heaped with rice mixed with lamb and breasts of partridges.

Roast lamb, partridge, ibex, and mutton were piled high on other plates. Cakes made of crushed dates and spices were served as dessert. After dinner I made a brief speech in the limited Turki I had picked up, thanking the Kashgais for their hospitality. It

was a sad occasion, for we had come to feel at home with the tribe.

Males went to a corner of the tent and returned with a beautiful Kashgai carpet, woven in muted shades of rose and blue and old gold. He spread it at our feet.

"This is a Carpet of the Khor," he told me. "The design is a family pattern, and it is never produced for sale. My wife worked on this carpet. In the history of our tribe we have given away only two others like it. This is for you and Jean, but it is not a going-away present. Instead it is a gift of welcome. You have become one of us. This is to welcome you into the tribe."

Nasser Khan stood beside us. From his head he took the heavy felt Kashgai cap. Solemnly he put it on my head.

"Now you are a Kashgai," he said. "When next you come to our tents it will not be a visit, but a homecoming. Our tents are your homes. And where you spread your Kashgai carpet, there will be your Kashgai home."

# Graduation by Parachute

For Navy Girls at Lakehurst, New Jersey, Commencement  
Is a Serious Step—and a Long One

By JOHN E. FLETCHER

*With Illustrations from Photographs by the Author*

**O**N A LONG, narrow table in front of Patricia Irwin lay 88 square yards of billowing white nylon cloth. This was the outfit she would wear tomorrow at her graduation exercises. Today she was smoothing and folding it as carefully as if her life depended upon it.

Tomorrow her life would depend upon it. For other students across the country, graduation exercises might mean speeches, flowers, processions in caps and gowns. But Pat Irwin to graduate, would have to jump headfirst out of a plane hurtling through the air at 2,500 feet.

No, the United States is not training female paratroopers. Airmen Pat Irwin, a Wave, is one of about ten women trained by the United States Navy each year, along with more than 400 men, in the Parachute Rigger School at the U. S. Naval Air Station, Lakehurst, New Jersey.

## One Mistake Could Be the Last

Parachute riggers are the highly trained specialists who fold, pack, air, inspect, repair, and otherwise take care of the Navy's more than 30,000 parachutes now on "active duty." Any one of these parachutes may be called into use at any hour. When it is, it will mean the difference between life and death. Riggers *can't* make mistakes.

I had visited Lakehurst earlier to watch Pat Irwin as she studied the science of parachutes: how they are made, how they work, how to use them. Now, as graduation approached, I was here to watch her jump wearing a chute she herself had packed. This is the Navy's way of ensuring that its Parachute Rigger Airmen understand the importance of their work.

No one would urge Pat Irwin to jump, or push her from the plane if she lost her nerve. Keeping her nerve would depend on her confidence in the chute she was now folding. At her side worked another Wave, Sheila Kourke, her classmate and friend, who would also jump tomorrow. Together they folded the nylon canopy and its 28 suspension lines into a bundle 24 by 12 by 5 inches. Then they fitted it into a container and fastened the whole unit with three stiff metal pins. From these pins an all-important wire led to the rip-cord handle.

The last thing to go into the pack was the pilot chute, equipped with a self-contained spring (page 839). Tomorrow, when Pat pulled the rip cord, the pilot chute would pop out into the air, open *immediately*, and begin its work of pulling out the main canopy.

The whole folding job took Pat and Sheila about 45 minutes. Some of their instructors, with years of experience, can do it in 5.

Pat, a native of Tulsa, Oklahoma, came to Lakehurst after completing an aviation course at Jacksonville, Florida. Sheila, originally from Cosmopolis, Washington, had also been trained at Jacksonville. Like all the other riggers, both had volunteered for parachute work.

## Every Airman Must Wear a Chute

The Parachute Rigger School at Lakehurst was set up in 1914, after the Navy had issued a regulation requiring all its airmen to wear parachutes at all times while flying. The first class, 11 students, studied only the packing and care of parachutes. By the time Pat and Sheila arrived last year, however, the course had been expanded to include considerably more than that.

In their 15 weeks of training the girls studied such things as the uses of oxygen in high-altitude flying; life rafts and survival equipment (which are often dropped by parachute); sewing and repairing of parachutes. As a preliminary to the final jump, they also took a 20-hour course in tumbling (page 838).

They learned that in basic principle the parachute had changed little since it was designed by the painter and scientist Leonardo da Vinci about four and a half centuries ago. Da Vinci's parachute remained only a curiosity for nearly 300 years. Its first successful emergency use was by a Polish balloonist in 1808, but not until World War I was its real value recognized.

Early parachutists jumped with their parachutes bundled in their arms, or, in some cases, packed in *barrels*. And so they came to a balloon. In 1919 the present type of free-fall, pack-contained chute was developed, and technical improvements have continued steadily since then.

Until recent years parachutes were made of silk and were susceptible to rot, mildew, and destructive stain. Today every thread, stitch,



and scrap of material, except hardware, is made of nylon, which resists almost everything except heat.

Even greater changes in parachute operation are taking place as a result of the development of high-speed, high-altitude jet planes.\*

Flying at moderate speeds and at altitudes where there is enough oxygen to breathe, a normal person can safely jump from a plane, pull his rip cord, and float down.

But what about a jet pilot flying, say, 500 miles an hour? His ejection seat will explode him from the plane, but the parachute can't be opened at once. If it were, it might tear apart; even if it didn't, the sudden shock of opening could seriously injure the pilot. And if a pilot opens his chute much higher than about 25,000 feet altitude, he may freeze to death or die of lack of oxygen before he can reach the earth.

Navy and Air Force research teams have already solved some of these problems. Standard equipment in high-altitude flying, for instance, are parachutes in which the rip cord is actuated by a device that opens the canopy automatically at 15,000 feet.

Under normal conditions, the students learned, the great enemy of parachutes and of the men who use them is moisture. A damp parachute won't open quickly.

When a rigger has finished his course and is assigned to a station, an important part of his routine work is airing parachutes in special temperature-and humidity-controlled lockers (page 836).

Properly cared for, a parachute is good for as many as 100 jumps.

### Jump Day—and Jumpy Nerves

Jump Day began at 7:30 a.m. The students—there were 48 in the class jumping that day—showed their nervousness in different ways. One complained a bout butterflies in the stomach. Another, a girl, remarked that she "felt like Christmas." Still another complained she hadn't been able to find the eyelets when she laced up her boots that morning.

Fat Irwin was surer of herself than most. "I know I'll be scared to death," she said, "but I'll be stubborn enough to go through with it."

If some student did lose his nerve and fail to jump—and this has happened—it would constitute no disgrace. And, by long tradition, the incident would never be mentioned by others at the school.

Most of the students knew about the case of Airman X, a would-be fighter who went up doggedly on 16 consecutive "jump days." Each time, until the final minute, he was sure "this time I'll do it." He hasn't done it yet.

They were also familiar with the story of

student R., a bride of a few weeks, who was a and to complete the course. On Jump Day her husband waited on the ground, camera in hand, to get a picture they would someday show their grandchildren. He stood patiently through eight planeloads of jumpers, and never got the picture of his wife "hitting the silk"—because she never jumped.

Fat, like her fellow students, had drawn a number to indicate her plane and her turn to jump. She drew place 7 (out of 8) in the first plane.

Parachutes were strapped on and checked. The one she had picked was on her back, another in front just in case. Then she was ready to board the plane, a twin-engined R4D.

### Experts Make Fancy Dives

As they roared down the runway, Fat, thin-giggled and determined, looked at her fellow students to see if their facial expressions matched the feeling in the pit of her stomach. She was relieved to see that they did.

Only the instructors, sitting one between each two students, looked calm. They must make at least one jump every 60 days to retain their classification as Parachutist, which brings them \$50 a month extra pay.

After the first 20 or 30 times, jumping becomes routine. One of the instructor-instructors, a chief petty officer named, appropriately, J. R. Van Landingham, got so bored after 30 jumps that he started practicing fancy dives while he fell through the air. He now amuses himself, and gives onlookers palpitations, by going through a graceful one-and-a-half twist or a couple of full gamers on the way down.

But for the students, as the plane rose, so did the tension. Bill Begley, the jump master, lay on the floor of the plane, staring intently through the gaping hole where a door had been removed to facilitate jumping (page 841).

His job was to put the jumpers out where they would land in the "jump circle," an area cleared of trees and obstructions. As the plane made a preliminary pass over the circle, one man, an experienced parachutist, jumped. He was the "spotter." By watching his fall, the jump master could judge wind currents and drift.

### Over the Circle and Out the Door

The plane turned and headed back over the circle. Bill got up from his position on the floor.

"Coming on the range!" he shouted. The students stood up, every eye on the jump master. He stood near the opening, one arm

\* See "Flying in the 'Blowtorch' Era" by Frederick G. Vothardt, *National Geographic Magazine*, September, 1950.







# • Nylon Parachutes Get a Monthly Striking to a Day Earlier

PARACHUTING HAS BEEN  
a popular sport for many  
years. Now, thanks to the  
development of the nylon  
parachute, it has become  
even more popular. The  
new nylon parachute is  
stronger and lighter than  
the old one. It is also  
easier to pack and  
unpack.

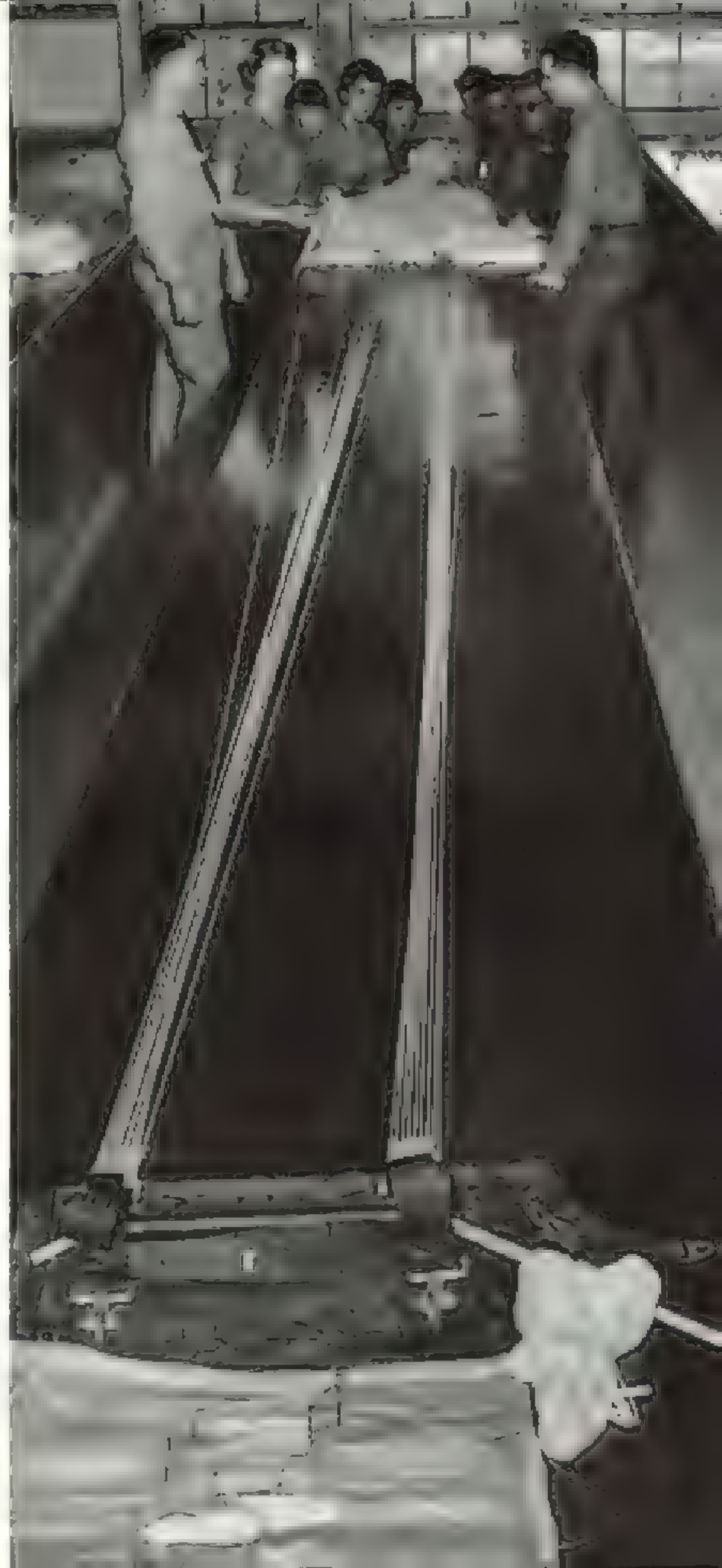
A new kind of nylon  
parachute is being  
developed. It is called  
the "nylon parachute."  
It is made of a new  
kind of nylon. It is  
stronger and lighter  
than the old one. It  
is also easier to pack  
and unpack.

# • Pat and Classmates Watch the Instructor as He Checks a Chute

Pat and his classmates  
were watching the  
instructor as he checked  
the parachute. The  
instructor was very  
careful. He was  
checking every part of  
the parachute.

The instructor was  
very careful. He was  
checking every part of  
the parachute. He was  
checking the lines, the  
canopy, and the harness.

The instructor was  
very careful. He was  
checking every part of  
the parachute. He was  
checking the lines, the  
canopy, and the harness.  
He was also checking  
the parachute pack.





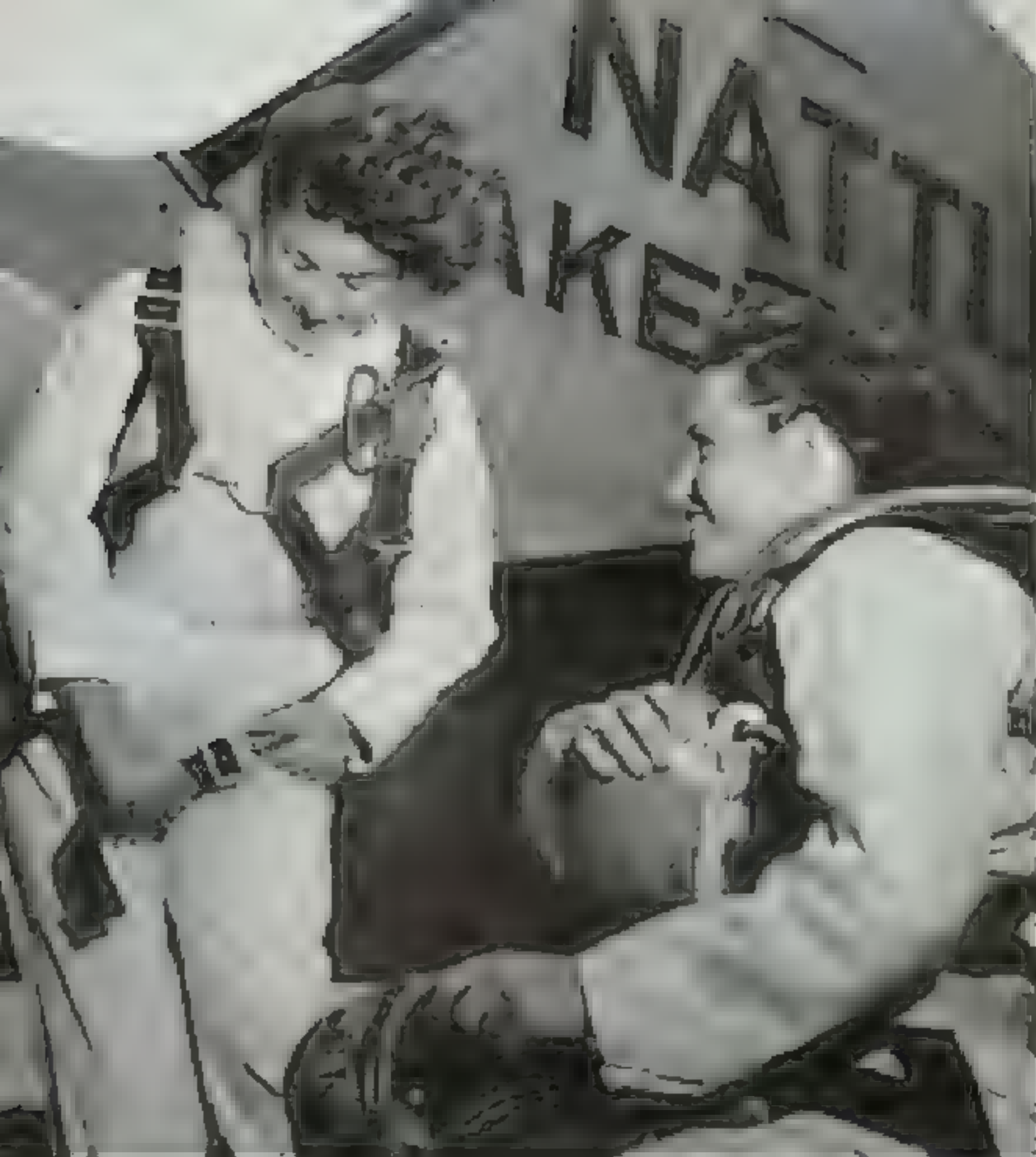


Learning to Jump Par Lewis Ties a 1-foot Jump. Later It Will Be 2500 Feet

Par Lewis, a 19-year-old, is seen here in the act of jumping. A 1-foot jump is a very small one. The 2500-foot jump is a very large one. The 2500-foot jump is a very large one.







### • Get Ready . . .

Get ready for the most exciting and thrilling of all sports—the jump! The jump is a sport that is not only exciting but also a great way to stay in shape. A jump is a sport that is not only exciting but also a great way to stay in shape.

Now, let's get ready for the jump!

### • Stand By . . .

Stand by for the most exciting and thrilling of all sports—the jump! The jump is a sport that is not only exciting but also a great way to stay in shape. A jump is a sport that is not only exciting but also a great way to stay in shape.

Now, let's get ready for the jump! The jump is a sport that is not only exciting but also a great way to stay in shape. A jump is a sport that is not only exciting but also a great way to stay in shape.

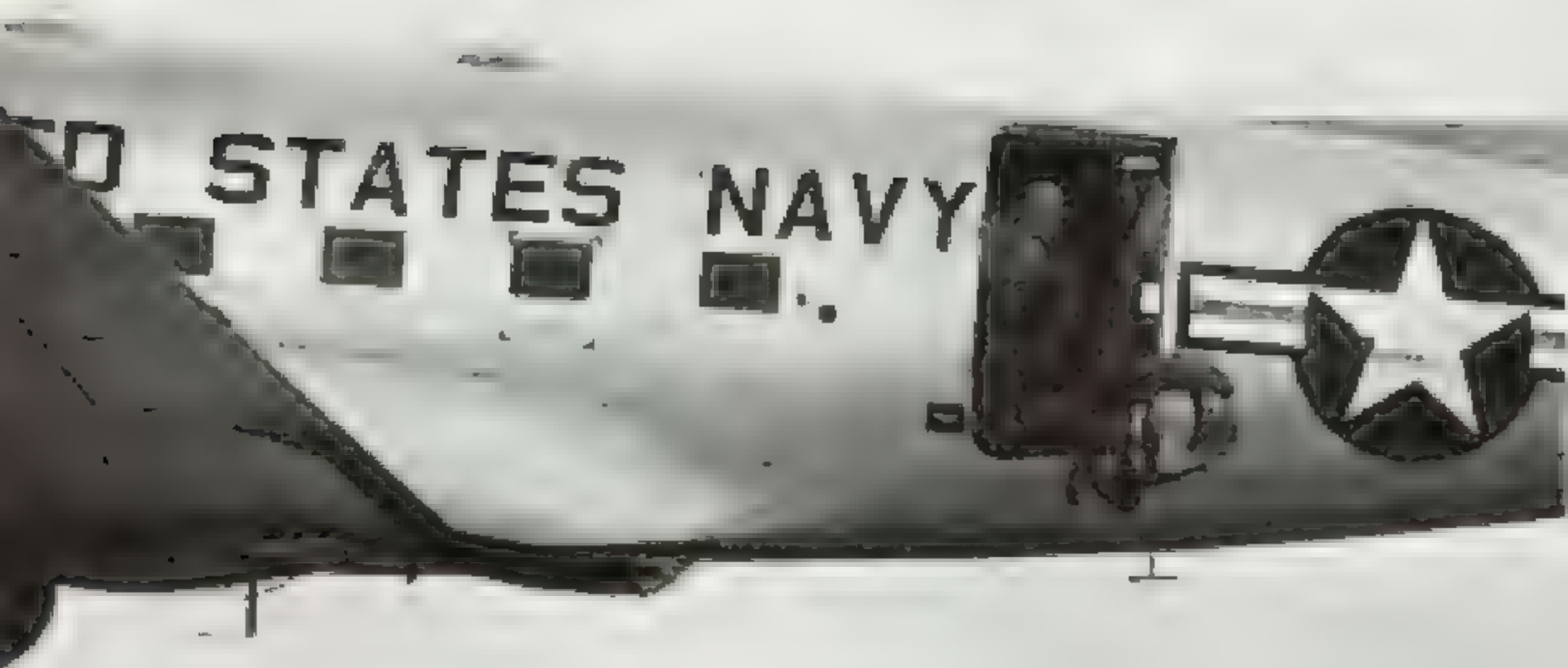
### • . . . Go!

Now, let's get ready for the jump! The jump is a sport that is not only exciting but also a great way to stay in shape. A jump is a sport that is not only exciting but also a great way to stay in shape.

















### Planes at Jumper's Come Landing Down at Lincoln Graduate Day

Five in the air at a recent event at Lincoln Graduate Day. A parachutist is seen in the foreground, with a large, light-colored parachute. The background shows a flat landscape with some distant structures and trees. The sky is filled with soft, wispy clouds.

Just before the parachutist lands, the earth rushes up at him. "Slips" his parachute or pulling his shroud lines. Just before the parachutist lands, the earth rushes up at him. "Slips" his parachute or pulling his shroud lines. Just before the parachutist lands, the earth rushes up at him. "Slips" his parachute or pulling his shroud lines.

Two parachutes and by earlier jumpers are shown in the background. The parachutist is seen in the foreground, with a large, light-colored parachute. The background shows a flat landscape with some distant structures and trees. The sky is filled with soft, wispy clouds.





### Said Pat Irwin After Her Fish Jump: "It Was Terrific? I'd Like to Do It Again!"

Pat Irwin, a young woman, was seen today in the city of New York, where she was born. She is a member of the New York City Police Department and is a member of the New York City Police Department. She is a member of the New York City Police Department and is a member of the New York City Police Department.

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# Southwest Asia Again Makes History

New National Geographic Map Shows Where Modern Civilizations Erupt  
Among Scenes of Man's Earliest Civilizations

**W**hen the airplane, the compass, gunpowder, arithmetic, and the wheel, all invented or first used in Southwest Asia, the map of that vital area which accompanies this issue of the NATIONAL GEOGRAPHIC MAGAZINE could never have been compiled, printed, and distributed.

More than 2,000,000 copies of the National Geographic Society's timely new 10-color map of Southwest Asia (and including most of Egypt, Anglo-Egyptian Sudan, and Ethiopia in Africa) have been printed for the benefit of The Society's members throughout the world.\*

Viewed down the vista of history, no area on earth is as important as this, for here our history began. Here a stylus first marked Mesopotamian mud tablets with ancient records and laws in wedge-like script. Here the intricacies of thought and the rhythms of poetry were recorded on Egyptian papyrus or the parchment of Pergamum (Bergama) in present-day Turkey. Here the granddaddy of all known maps was incised on Mesopotamian clay 4,500 years ago.

Southwest Asia was not only the nursery of our civilization but also our linguistic primer. Be it Sanskrit, Hebrew, Arabic, Persian, Greek, Hindi, or Urdu, Southwest Asia gave things their names, gave thought its vocabulary.

Even the heavens yielded up their secrets to the inquiring mind of ancient man. Here the swing of our sphere around the sun was first measured; here the seasons were tamed to almanac and calendar.

No other area has been such a laboratory of human geography. Here man and environment have wrestled. In some of the earth's most fertile valleys and most forbidding deserts, since history began.

## Science Pushes History Backward

On the shores of the Caspian Sea, beside Mesopotamia's twin rivers, the Tigris and Euphrates, on the stony shores of the Nile, and along present Pakistan's northwest frontier, the horizon of history is being pushed steadily back by deep-ditching archeologists.

At Jarmo, 30 miles east of Kirkuk, archeologists of the University of Chicago's Oriental Institute believe they have found the earliest human settlement so far discovered. They estimate that this "world's oldest village" thrived between 5000 and 6000 B. C.

This vast region between the Western Desert in Egypt and the Chindwin Valley of Burma is a land of extremes: among the richest and

poorest, highest and lowest, driest and wettest.

In Arabia's Empty Quarter, even a vulture would have to carry a canteen—and every camel does. In parts of Assam, enough rain falls in a year to float the largest U. S. Navy aircraft carrier, fully loaded, with room to spare beneath her keel. In one bumper year, 1861, there was more than twice that much—1,041.78 inches.

Carving around the northern frontiers of India and Pakistan, the highest mountains on earth isolate India more surely than do its seas. Through the passes have moved mighty armies, tribesmen's annual flocks for food, and sun-drenched explorers seeking Lhasa in the vast, silent seclusion of Tibet, now in the hands of Red China.

Only the finding of the frozen bodies of two British mountain climbers, last seen nearing Mount Everest's summit in 1924, may reveal whether its 29,002-foot pinnacle has yet been conquered by man.

A tiny blue spot, partly hidden by the magic name "Jerusalem," marks the deepest dimple in the face of Mother Earth, and a salty, scabrous dimple it is.

Like a syrup kettle in a Vermont maple sugar camp, the Dead Sea contains a thick fluid from which the water of ages has been evaporated. A cruel sun focuses its unclouded glare into a desolate depression nearly a quarter of a mile below sea level and five and three-quarter miles lower than Mount Everest's lonely peak.

## Five Faiths Began Here

Mighty as are Nature's forces, they are matched by man's desire to fathom them and to worship their Creator. No great religion on earth is alien to this area. Most were born here. Buddha grew up on the foothills of the Himalayas. Hindustan's sacred Ganges, flowing past the bathing ghats of Banaras (Benares), bears away the ashes of Hindus of many castes. Abraham's Ur and Hebron, Jesus' Bethlehem and Golgotha, Mohammed's Mecca and Medina are near neighbors in this southwest part of Asia.

In the small inset map, the breadth of the Moslem world is compared to the relatively tiny size of Texas. Roughly one man out of

\* For a more detailed map of Southwest Asia, India, Pakistan, and North-east Africa (and of all standard maps published by The Society) by writing to the National Geographic Society, Washington 25, D. C. Prices in United States and elsewhere, 50¢ each on paper; \$1 on fabric; India's 25¢. All payments payable in U. S. funds. Postpaid.



every four on earth lives in the area shown by the main map. Every day more than a third of these bow toward Mecca, the black stone of 370,000,000 human compasses magnetized by the testimony: "God is great. There is no god but God, and Mohammed is his Prophet. Come to prayer!"

In Turkey the Faithful face south, in Ethiopia north, in Libya east, and in the Philippines west.

#### Mecca Once Center of Idol Worship

Focus of millions of prayers is the Kaaba at Mecca, once a pagan shrine. In the year 622 Mohammed was forced to flee from Mecca, then a center of idol worship. Today Moslems date their era from that flight, or Hegira. To them, September 21, 1937, is the first day of 1372 A. H. (After Hegira, Year of the Hegira). Since their lunar year is about 11 days shorter than our solar cycle, the Moslems have gained 42 years since the Hegira.

In areas colored green on the inset map, six men out of seven are Moslems. In Albania, Syria, the Anglo-Egyptian Sudan, Sinkiang, Malaya, and British Borneo, a majority consider the Koran as the Word of God. Inside the Soviet border, which cuts across the map from Romania to Sinkiang, the republics of Azerbaijan, the Turks in Uzbek, Kazakh, Tadzhik, and Kirgiz are predominantly Moslem. In the yellow area, in which from 3 percent to 50 percent are Moslems, numbers run into many millions. By special permission this inset map is based on the excellent new *Atlas of Islamic History*, by Dr. Harry W. Howard of Princeton University.

In an area of many diverse peoples, Islam proved a unifying force. It enabled men of many tongues to gather in Mecca and intone the same sacred syllables that Moslems believe came from the throne of Allah.

A few thousand years ago, the tales of the East were recorded in papyrus or in the technical tones of anthropologist and archeologist, mankind here is still in a state of flux.

#### The Three Easts: Near, Middle, and Far

Until regional commands in global war spread their terminology over the earth, the west half of Southwest Asia was known as the Near East. This was to distinguish it from the Far East, toward which Marco Polo turned Europe's curious eyes even as the Crusades faded out.

Later the term "Middle East" was coined, and the armies of Britain's Middle East Command in World War II included sharp-shooted recruits from Bengal's jute swamps and mustachioed warriors from Rajasthan.

National Geographic Society cartographers include Turkey, Cyprus, Syria, Lebanon, Is-

rael, Jordan, Iraq, Iran, Egypt, and all the states, sultanates, protectorates, and sheikhdoms of Arabia in the Near East.

Under the term "Middle East" are grouped Afghanistan, Pakistan, India, Nepal, Bhutan, Sikkim, and Ceylon.

When the Suez Canal was opened, it was to facilitate mail and cargo service between industrial Europe and the raw materials of Asia. To fuel the steamers, coal heavers at Port Said developed a basket chain which fed the ships as smoothly as an endless belt. Now fuel is itself a cargo. Tankers carry it from the Persian Gulf to an oil-thirsty world. Almost one-sixth of the world's oil now comes from Near East wells.

In 1923 the first motorcar triumphed over the Syrian Desert between Damascus and Baghdad, a feat which led to the organization of a trans-desert service. In 1930 a 1,008 mile pipe line began to spew forth its oily flow into steamers near the ancient port of Sidon. On the new map, a headed black line marks its route from Abqaiq to the Mediterranean state of Lebanon, the Phoenicia of ancient times.

#### Pipe Lines Lie Under Camel Routes

Alternate sizes of American-made pipe—so that the 30-inch could be telescoped inside the 31-inch for transport—have been X-rayed for faults, smeared with such bitumen as called Moses' basket amid the bulrushes, and buried in part in a machine-dug trench through wastes where only camel pads had trod.

Where isolated skins once flouted tribesmen and early English travelers down the Euphrates, passenger airplanes now thread the skies. Airports on Beirut's red sands, Damascus' desert, Basra's palm-fringed plain, and Bahrain's flats welcome planes from points where Columbus, Vasco da Gama, and Magellan, and many another navigator tried to reach over seaways.

The mechanical birds fly above ancient barriers of sea and mountains, but the quest is still the same. For to the east dwell millions of humble folk, patient enough to gather jute and rubber, rice and tea. And to the west lie the busy factories of Europe, hungry for raw materials, eager for markets.

Railway, road, canal, oil field, and pipe line mark the petty conquests man has made in his ancient home. But as the monsoon sweeps in across the Indian Ocean and the dust storm blankets the golden cones of Baghdad's Kazimain, Mother Earth is still the master. She still sets forth the glory of gem, the reward of food, the challenge of unclimbed peak. She still starves her children, sweats the brow of struggling man, and arouses the passions of men and nations.



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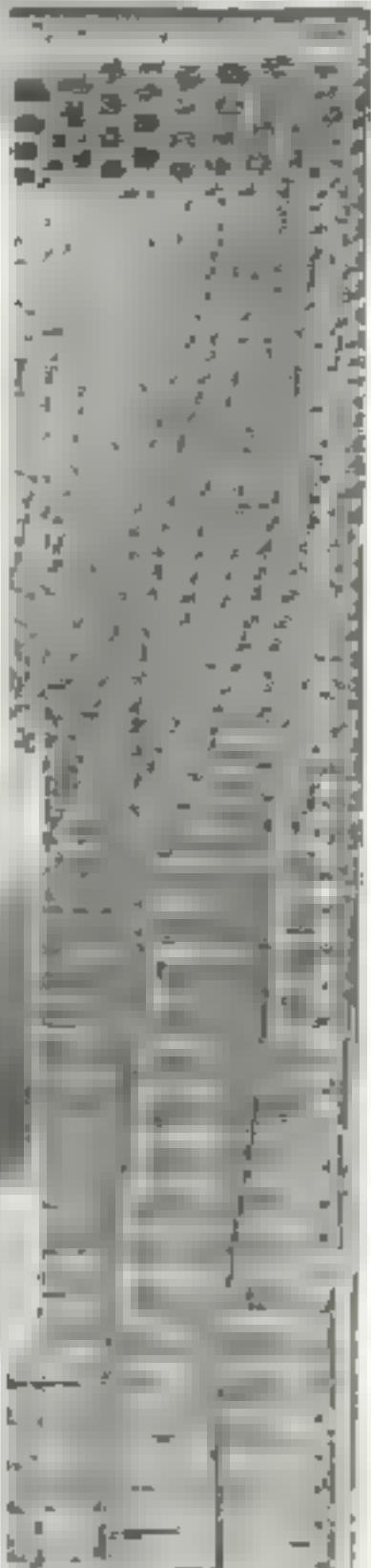




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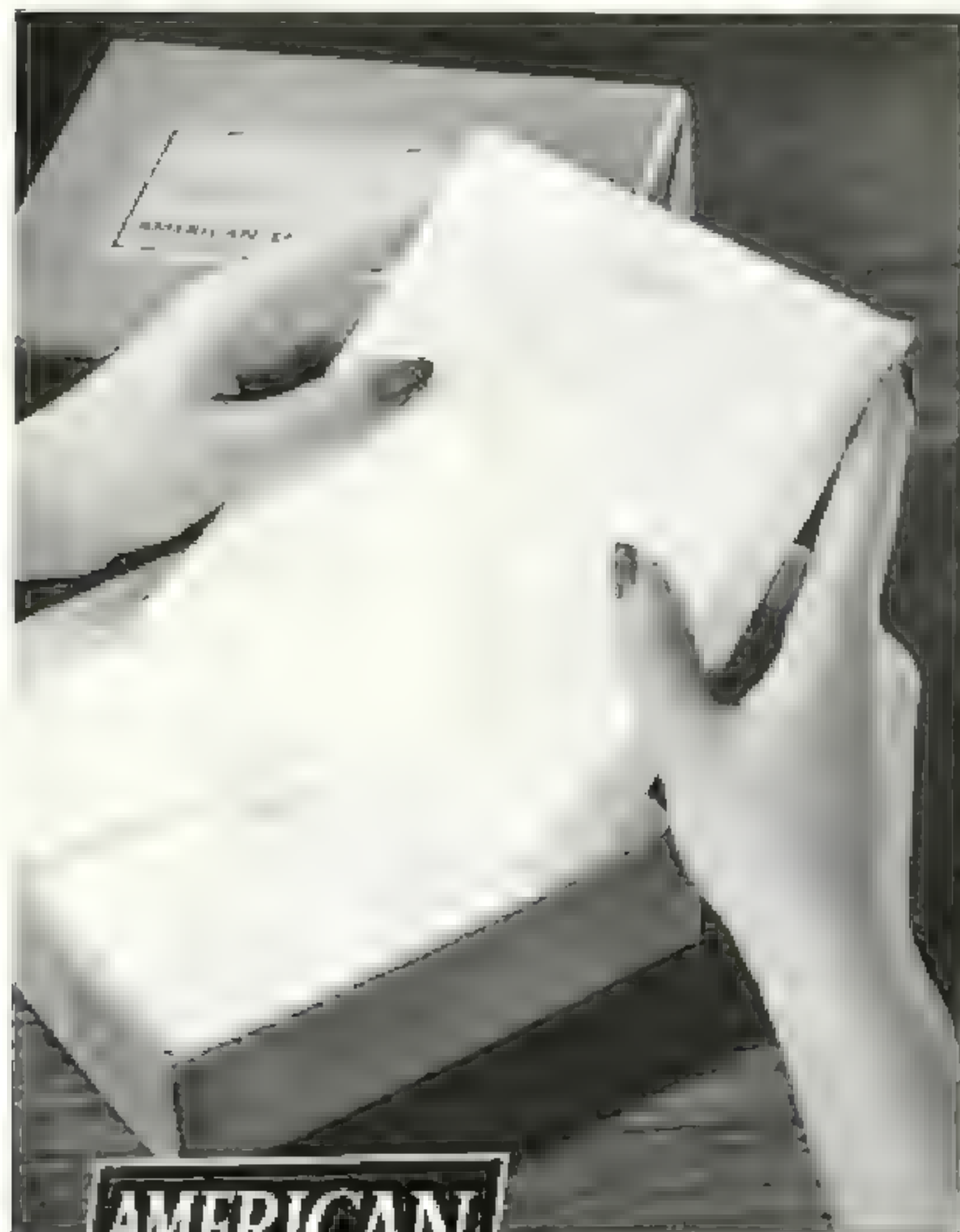
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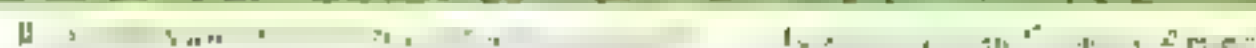


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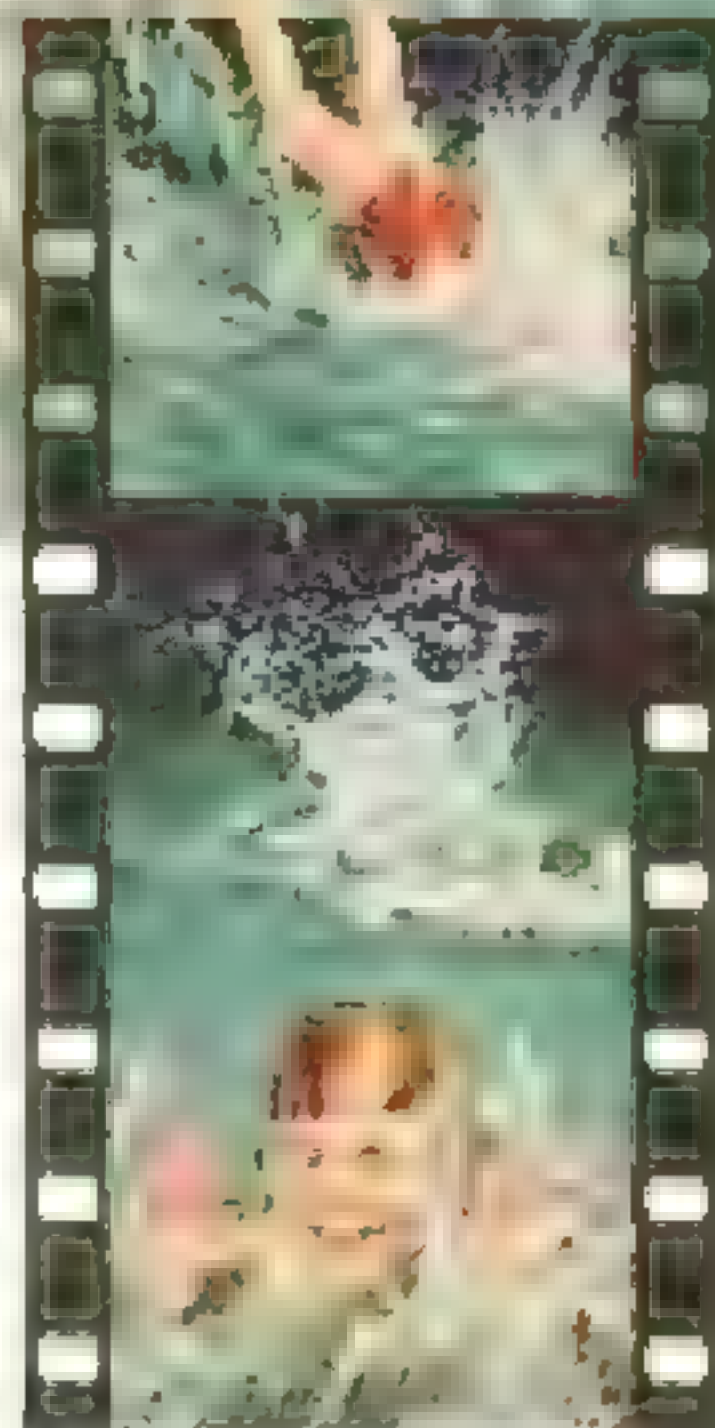
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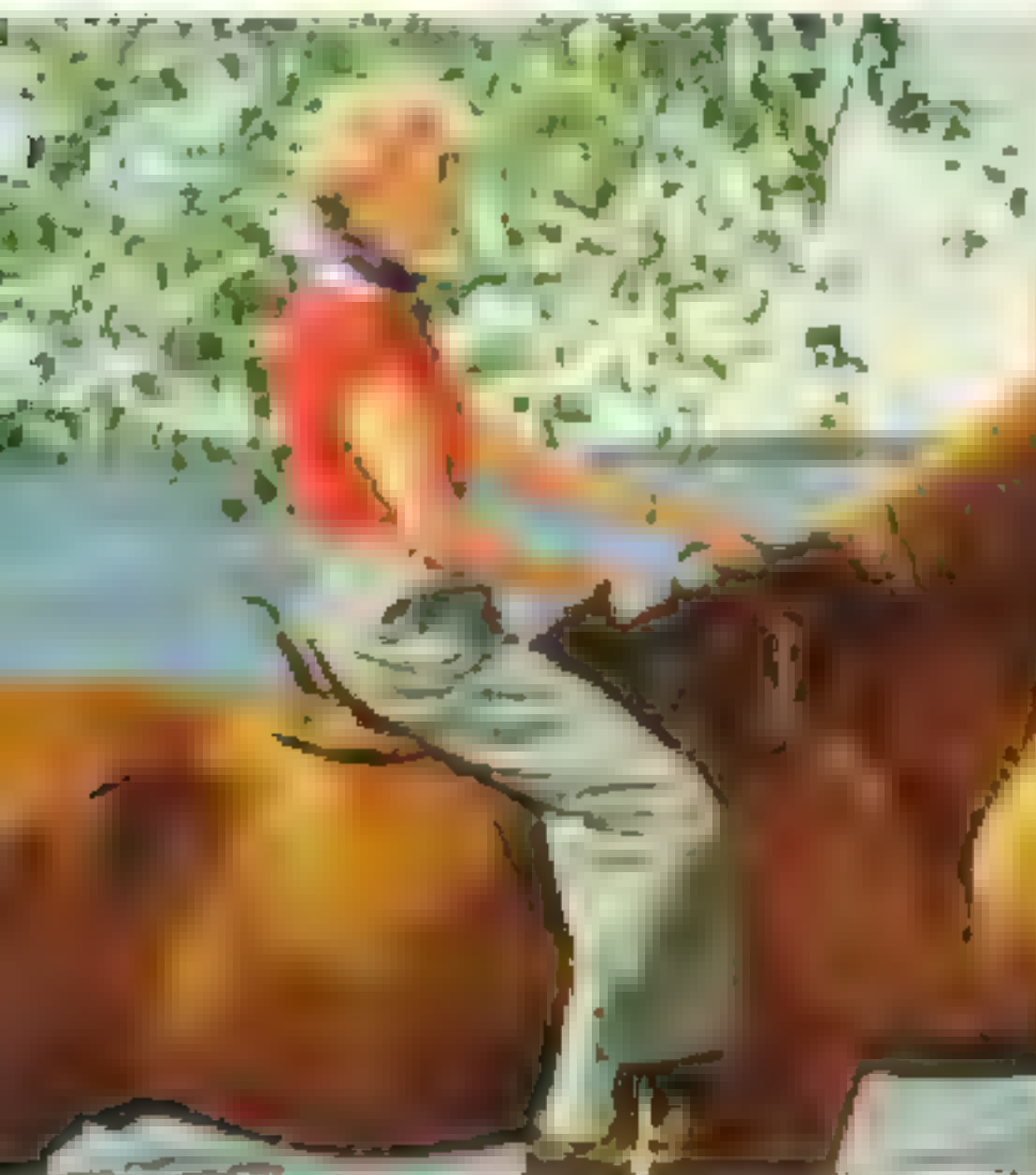
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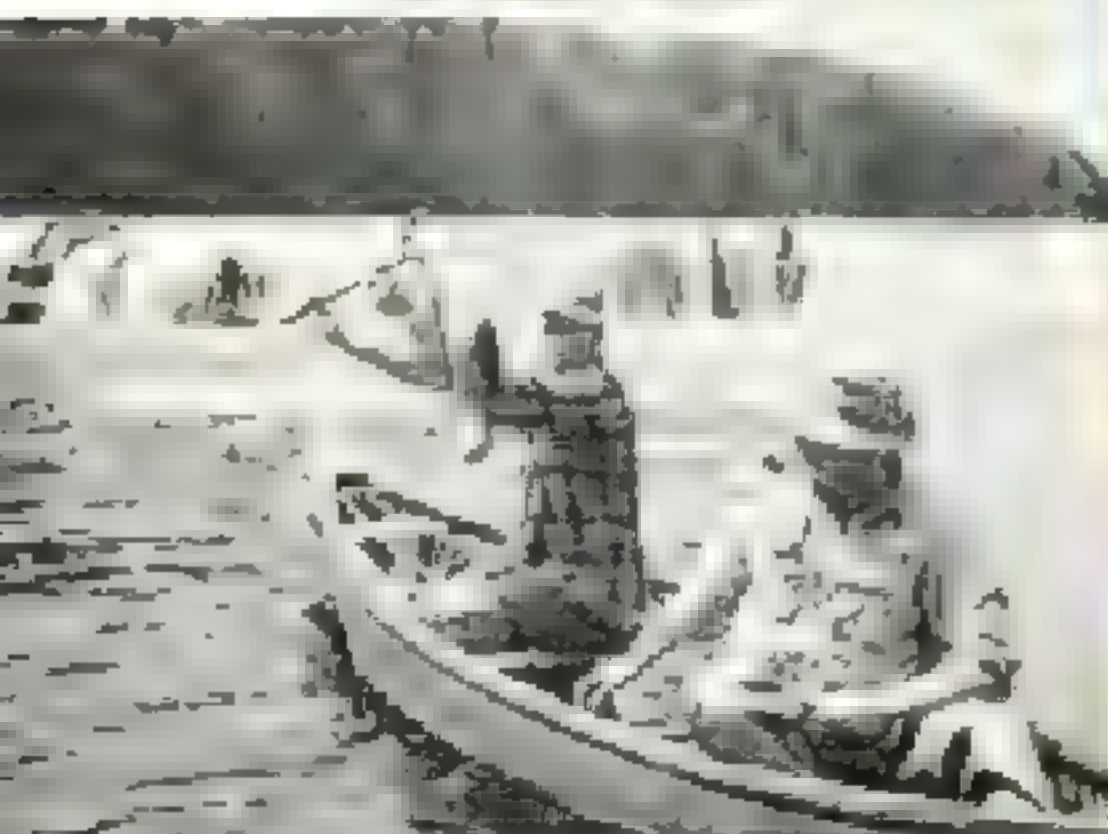




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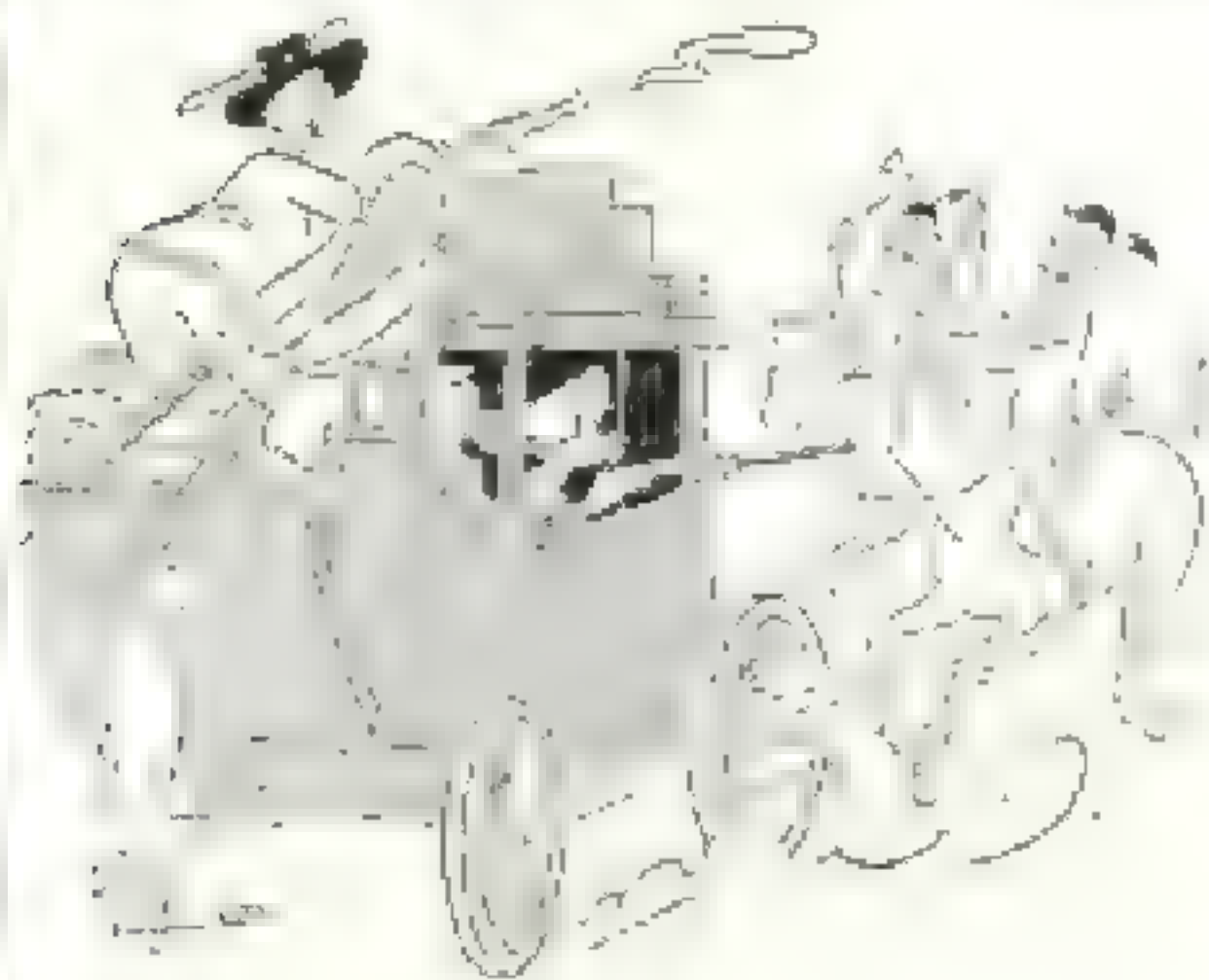
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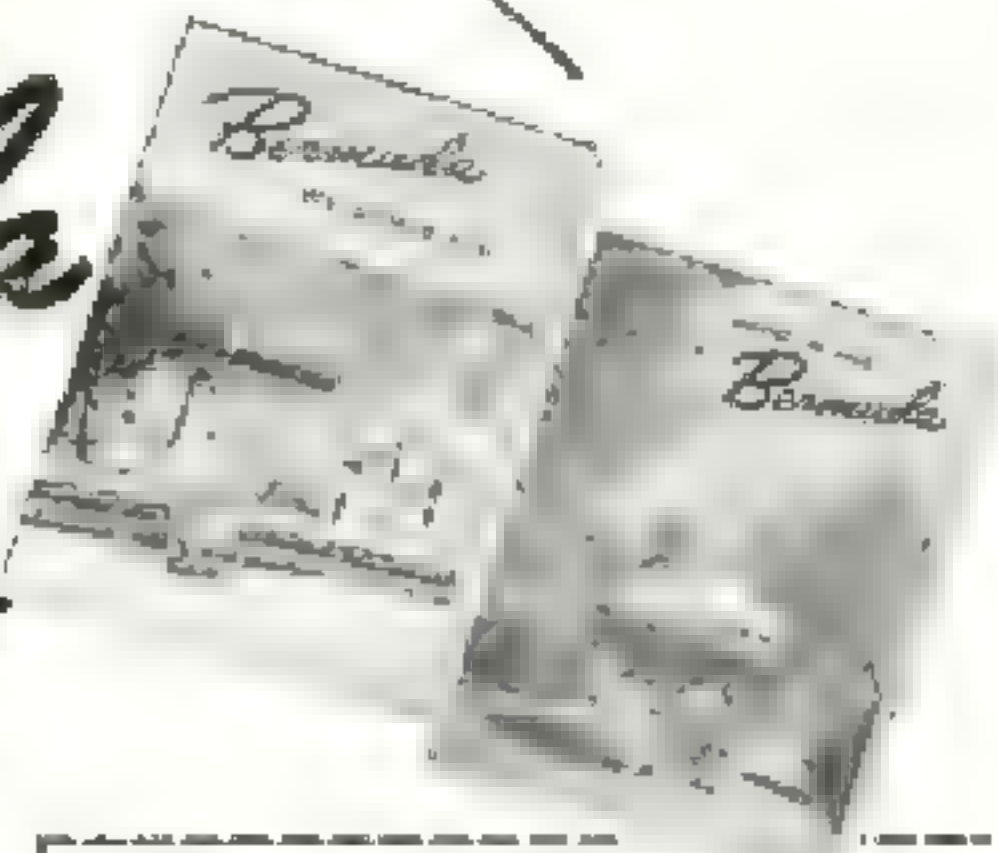
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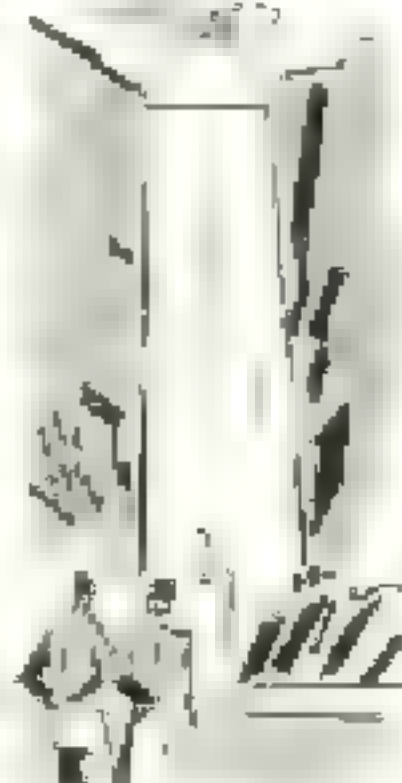
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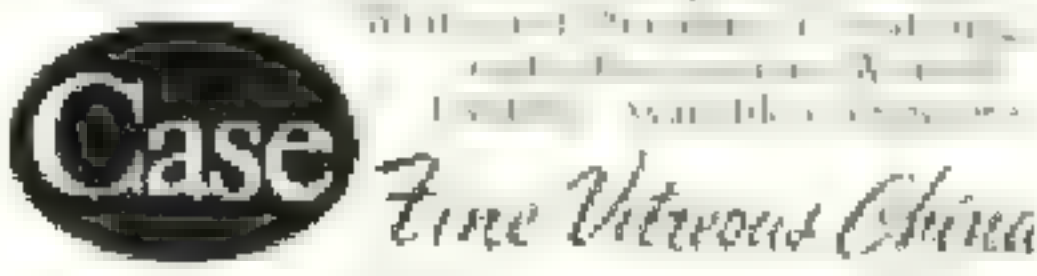
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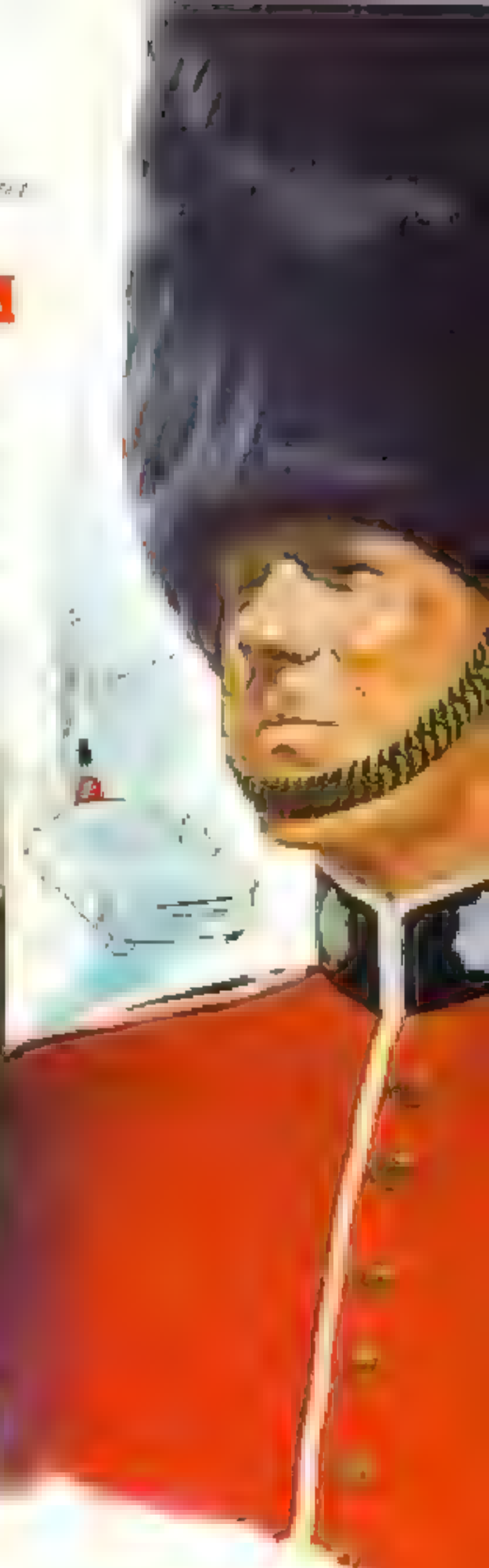
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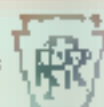
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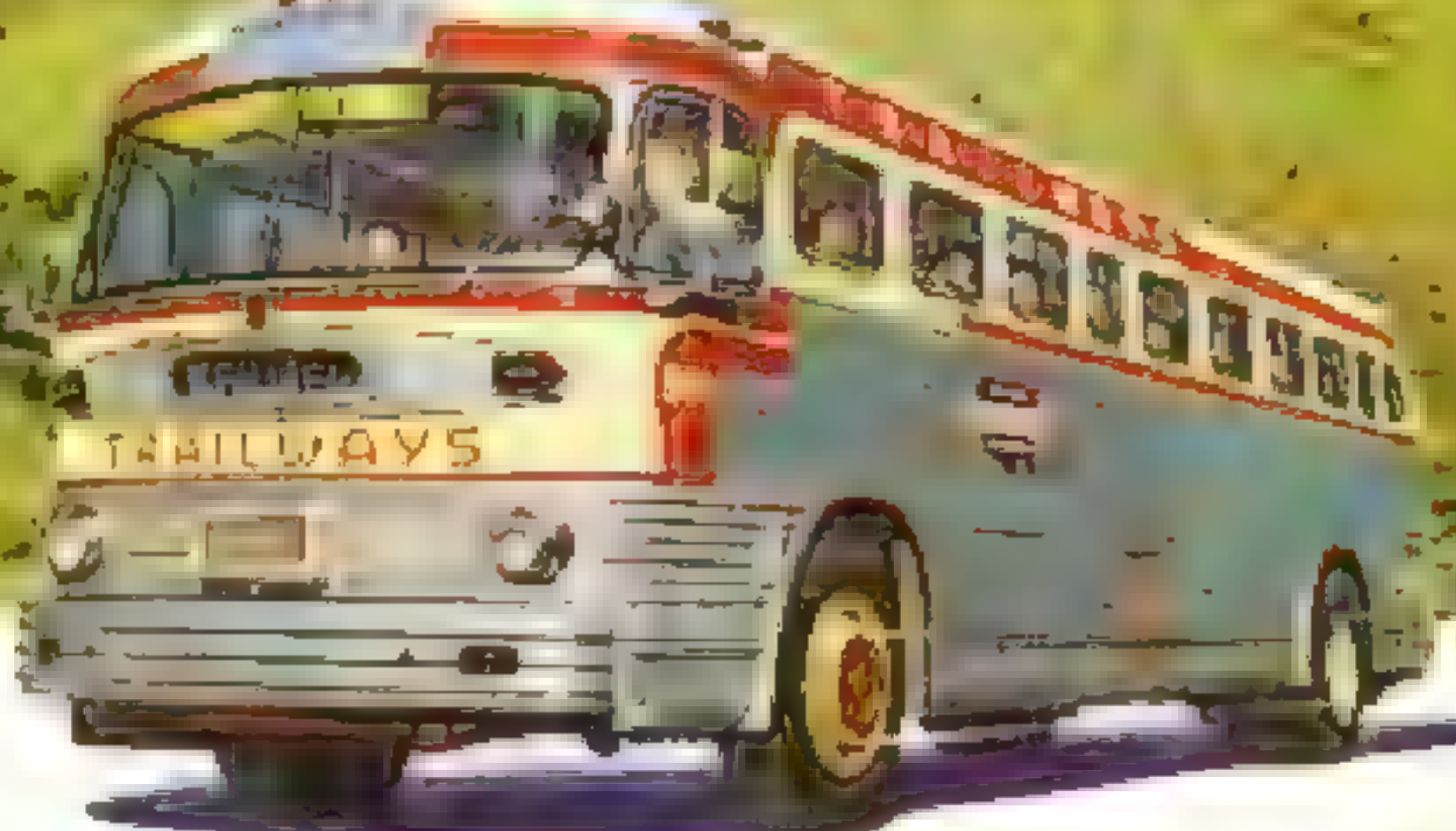
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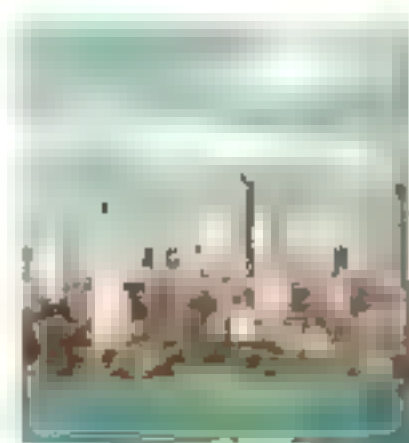
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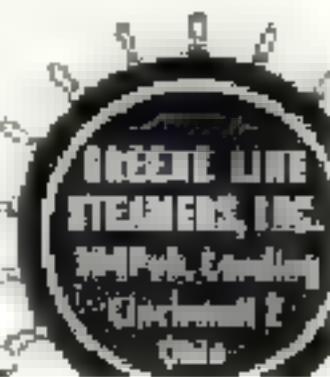


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# The All-Round Healthy Child.

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Since 1900, for example, the mortality rate for measles, whooping cough, scarlet fever, and diphtheria combined has been reduced more than 95 percent.

In addition, methods of treatment for many other illnesses have been improved so much that the years of childhood are safer today than ever before.

As a result of these advances, doctors and other specialists are now working toward a new goal—to bring *all-round health* to every child. This means more than protection against disease and correction of physical defects. It includes equal recognition of all the factors that will help the child achieve a healthy emotional life.

In order to give the child every opportunity to develop and maintain *all-round health*, authors stress the importance of the suggestions given below.

## For the child's physical well-being



During the early years, good health habits can be developed that may be of benefit throughout life.

Doctors believe that if the child is taught to eat the essential foods, and if plenty of sleep, rest, relaxation, and exercise are included in the daily routine, the child will be more resistant to certain illnesses that occur during the growing years.

Specialists stress that safeguards against communicable diseases must not be relaxed. Fortunately, most of the common childhood diseases are under control—thanks to various immunizations. However, since certain inoculations must be repeated at intervals, it is wise for parents to keep in touch with the doctor. In this way, the child's protection can be kept up to date.

## For the child's emotional well-being



Specialists generally agree that a healthy adjustment to life often depends on how the child's emotional needs are met. They say that if the usual anxieties and conflicts of early life are dealt with patiently and sympathetically, the child will be better prepared to meet troublesome situations in later years in a mature way.

Of course, all children experience

some of these emotional problems of growth. If, however, a *persistent* behavior problem develops, the help of a specialist may be advisable.

Periodic medical check-ups are also important in maintaining *all-round health* among very young children. These give the doctor a chance to detect both physical and emotional difficulties early, and to give treatment or advice when it will be most effective.

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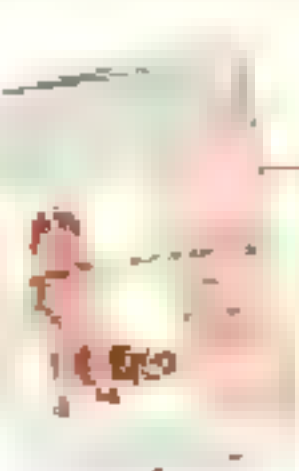
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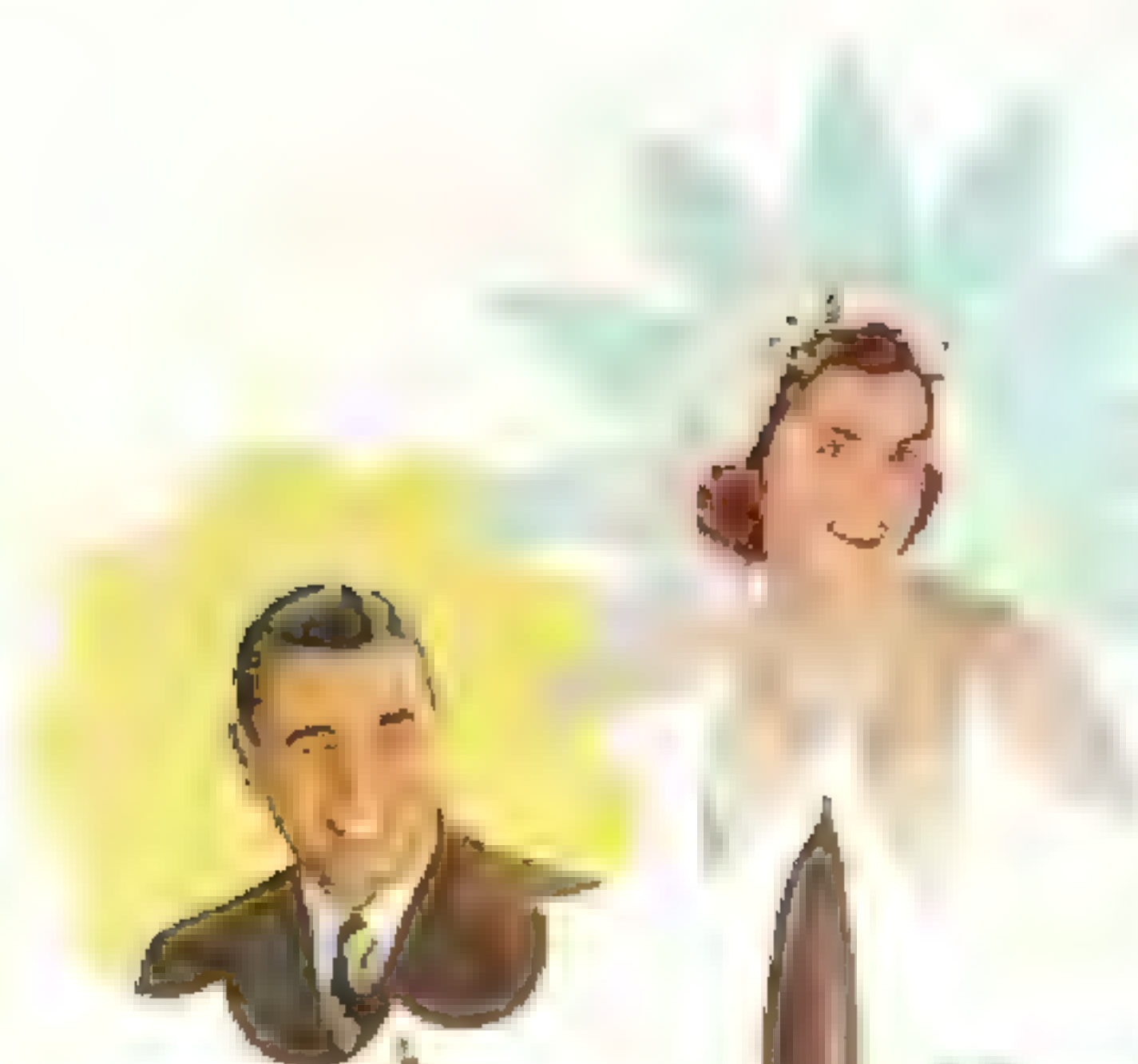
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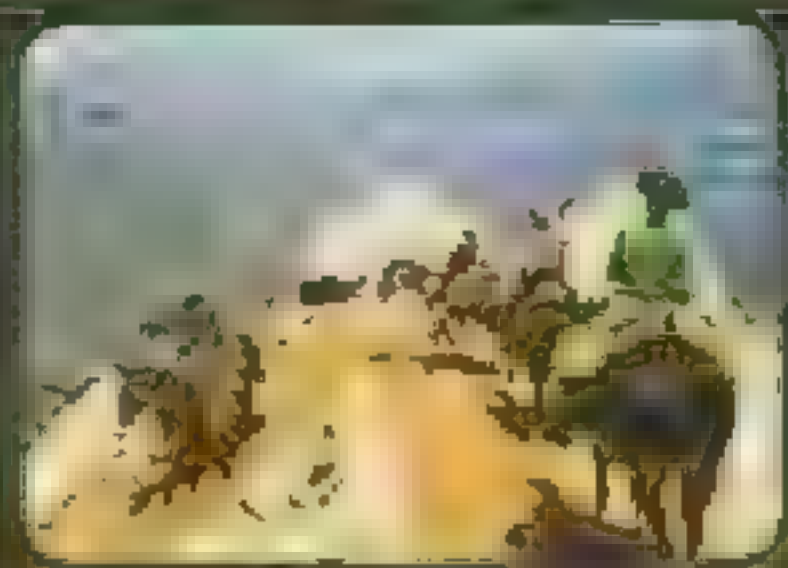
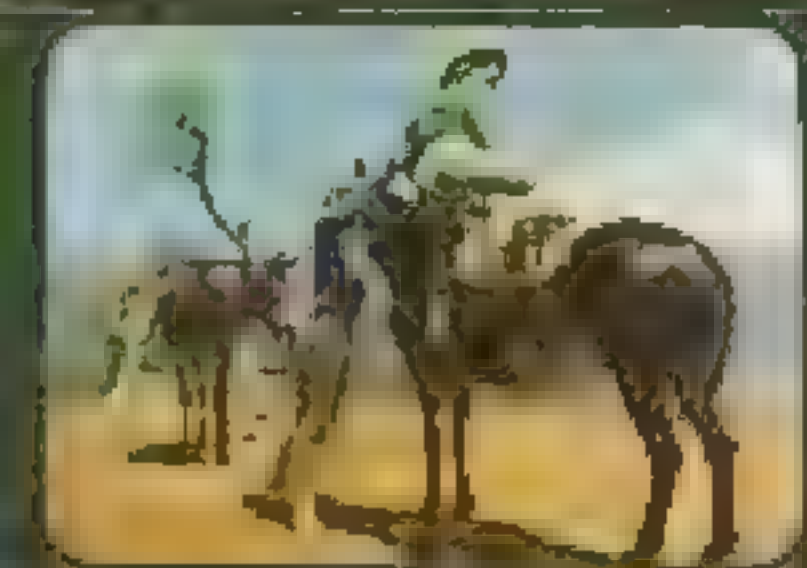
Vacation movies... so gloriously colorful

so easy to make  
and afford



• **Prevalence** – the proportion of people with a disease at a particular point in time

1. **Formal review** – happens when  
 a business is quoted in a financial  
 newspaper, or on a stock exchange  
 and is subject to a formal review



...the ... ..  
... ..  
... ..  
... ..

$\Delta \bar{N}_i = \bar{N}_i(t) - \bar{N}_i(t-1)$  is the change in the number of individuals in the  $i$ th age class between time  $t-1$  and  $t$ .  $\bar{N}_i(t)$  is the mean number of individuals in the  $i$ th age class at time  $t$ .  $\bar{N}_i(t-1)$  is the mean number of individuals in the  $i$ th age class at time  $t-1$ .  $\bar{N}_i(t)$  is the mean number of individuals in the  $i$ th age class at time  $t$ .  $\bar{N}_i(t-1)$  is the mean number of individuals in the  $i$ th age class at time  $t-1$ .

While we're at it, we should also  
 colorful descriptions of the  
 "wonderful" and "beautiful"  
 "superb" and "great".



I feel good in your kitchen so well  
 In the morning, you are so sweet  
 In the morning, you are so sweet  
 In the morning, you are so sweet

1. The first step is to identify the key components of the system. This includes understanding the hardware, software, and data involved. The next step is to define the goals and objectives of the project. This will help to determine the scope of the work and the resources required. The third step is to develop a detailed plan of action. This should include a timeline, a budget, and a list of tasks to be completed. The final step is to implement the plan and monitor progress. This will involve regular communication and reporting to ensure that the project is on track and that any issues are identified and resolved promptly.

3. RESEARCH ON THE USE OF THE TELEPHONE IN THE U.S. ARMY AND NAVY IN 1945 AND 1946 AND 1947 AND 1948 AND 1949 AND 1950 AND 1951 AND 1952 AND 1953 AND 1954 AND 1955 AND 1956 AND 1957 AND 1958 AND 1959 AND 1960 AND 1961 AND 1962 AND 1963 AND 1964 AND 1965 AND 1966 AND 1967 AND 1968 AND 1969 AND 1970 AND 1971 AND 1972 AND 1973 AND 1974 AND 1975 AND 1976 AND 1977 AND 1978 AND 1979 AND 1980 AND 1981 AND 1982 AND 1983 AND 1984 AND 1985 AND 1986 AND 1987 AND 1988 AND 1989 AND 1990 AND 1991 AND 1992 AND 1993 AND 1994 AND 1995 AND 1996 AND 1997 AND 1998 AND 1999 AND 2000 AND 2001 AND 2002 AND 2003 AND 2004 AND 2005 AND 2006 AND 2007 AND 2008 AND 2009 AND 2010 AND 2011 AND 2012 AND 2013 AND 2014 AND 2015 AND 2016 AND 2017 AND 2018 AND 2019 AND 2020 AND 2021 AND 2022 AND 2023 AND 2024 AND 2025 AND 2026 AND 2027 AND 2028 AND 2029 AND 2030 AND 2031 AND 2032 AND 2033 AND 2034 AND 2035 AND 2036 AND 2037 AND 2038 AND 2039 AND 2040 AND 2041 AND 2042 AND 2043 AND 2044 AND 2045 AND 2046 AND 2047 AND 2048 AND 2049 AND 2050 AND 2051 AND 2052 AND 2053 AND 2054 AND 2055 AND 2056 AND 2057 AND 2058 AND 2059 AND 2060 AND 2061 AND 2062 AND 2063 AND 2064 AND 2065 AND 2066 AND 2067 AND 2068 AND 2069 AND 2070 AND 2071 AND 2072 AND 2073 AND 2074 AND 2075 AND 2076 AND 2077 AND 2078 AND 2079 AND 2080 AND 2081 AND 2082 AND 2083 AND 2084 AND 2085 AND 2086 AND 2087 AND 2088 AND 2089 AND 2090 AND 2091 AND 2092 AND 2093 AND 2094 AND 2095 AND 2096 AND 2097 AND 2098 AND 2099 AND 2100 AND 2101 AND 2102 AND 2103 AND 2104 AND 2105 AND 2106 AND 2107 AND 2108 AND 2109 AND 2110 AND 2111 AND 2112 AND 2113 AND 2114 AND 2115 AND 2116 AND 2117 AND 2118 AND 2119 AND 2120 AND 2121 AND 2122 AND 2123 AND 2124 AND 2125 AND 2126 AND 2127 AND 2128 AND 2129 AND 2130 AND 2131 AND 2132 AND 2133 AND 2134 AND 2135 AND 2136 AND 2137 AND 2138 AND 2139 AND 2140 AND 2141 AND 2142 AND 2143 AND 2144 AND 2145 AND 2146 AND 2147 AND 2148 AND 2149 AND 2150 AND 2151 AND 2152 AND 2153 AND 2154 AND 2155 AND 2156 AND 2157 AND 2158 AND 2159 AND 2160 AND 2161 AND 2162 AND 2163 AND 2164 AND 2165 AND 2166 AND 2167 AND 2168 AND 2169 AND 2170 AND 2171 AND 2172 AND 2173 AND 2174 AND 2175 AND 2176 AND 2177 AND 2178 AND 2179

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I think it should be possible to have  
 a more vigorous and effective  
 review of the [redacted] [redacted] [redacted]  
 by the [redacted] [redacted] [redacted] [redacted]  
 [redacted] [redacted] [redacted] [redacted] [redacted]  
 [redacted] [redacted] [redacted] [redacted] [redacted]

Eastman Kodak Company, Rochester 4, N. Y.

[illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

# Kodak



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Conditioner in her bedroom!



**JANE RUSSELL**

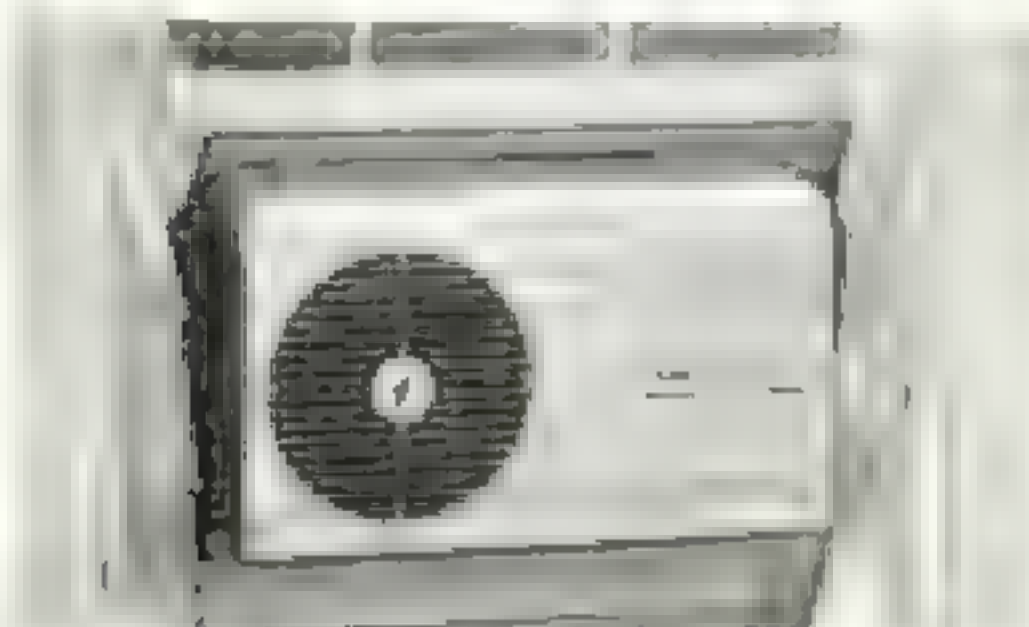
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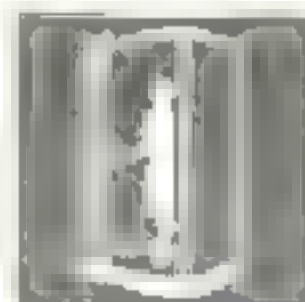
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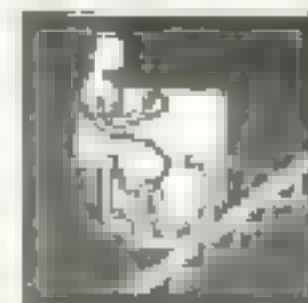
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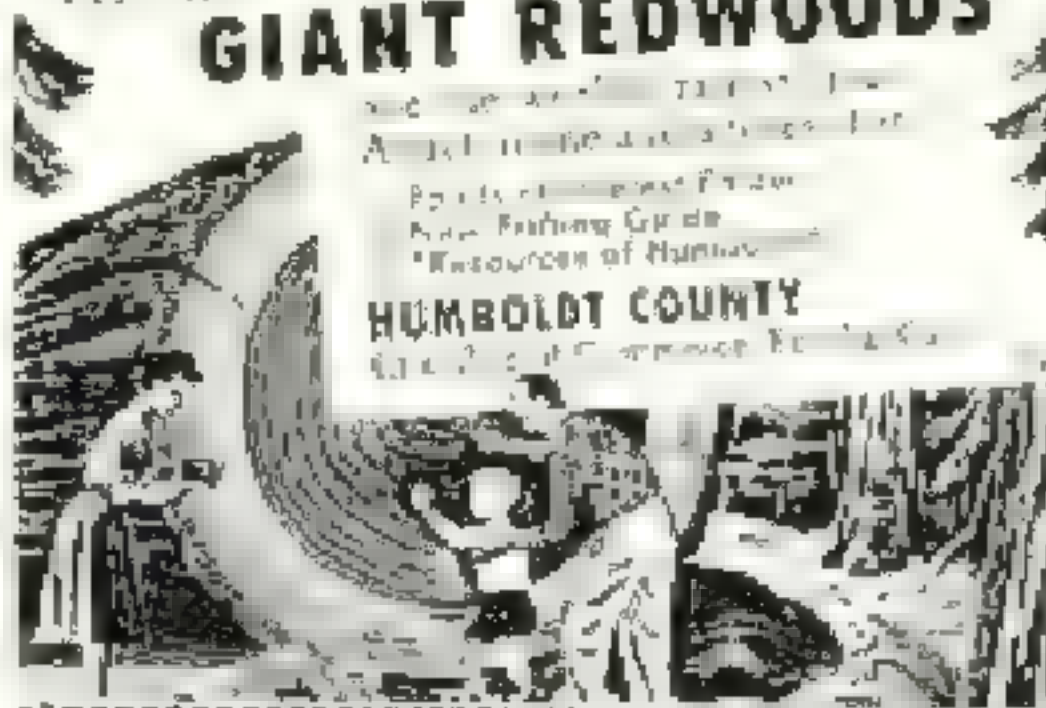
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### FARRAGUT NAVAL CAMPS

FARRAGUT NAVAL CAMPS  
Farragut Naval Camps are held each year on the shores of Lake Manahoe, Indiana. The camps are open to all students of high school age. The camps are held from June 1 to June 15. The camps are held from June 1 to June 15. The camps are held from June 1 to June 15.

### OGONTZ

OGONTZ  
Ogontz is a summer school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### SUSQUEHANNA

SUSQUEHANNA  
Susquehanna is a summer school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### TSALI

TSALI  
Tsali is a summer school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

## Girls' Schools

### EDGEWOOD PARK

EDGEWOOD PARK  
Edgewood Park is a girls' school held each year on the shores of Lake Manahoe, Indiana. The school is open to all girls of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### ELLIS COUNTRY SCHOOL

ELLIS COUNTRY SCHOOL  
Ellis Country School is a girls' school held each year on the shores of Lake Manahoe, Indiana. The school is open to all girls of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### FAIRFAX HALL

FAIRFAX HALL  
Fairfax Hall is a girls' school held each year on the shores of Lake Manahoe, Indiana. The school is open to all girls of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### GREEN MOUNTAIN

GREEN MOUNTAIN  
Green Mountain is a girls' school held each year on the shores of Lake Manahoe, Indiana. The school is open to all girls of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### GULF PARK BY-THE-SEA

GULF PARK BY-THE-SEA  
Gulf Park By-the-Sea is a girls' school held each year on the shores of Lake Manahoe, Indiana. The school is open to all girls of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### THE KNOX SCHOOL

THE KNOX SCHOOL  
The Knox School is a girls' school held each year on the shores of Lake Manahoe, Indiana. The school is open to all girls of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### LASELL JUNIOR COLLEGE

LASELL JUNIOR COLLEGE  
Lassell Junior College is a girls' school held each year on the shores of Lake Manahoe, Indiana. The school is open to all girls of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### LINDEN HALL

LINDEN HALL  
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### MARJORIE WEBSTER

MARJORIE WEBSTER  
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## Southern Seminary

### AND JUNIOR COLLEGE

Southern Seminary and Junior College is a school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### WALNUT HILL

WALNUT HILL  
Walnut Hill is a school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

## Coed Schools

### CHADWICK SCHOOL

CHADWICK SCHOOL  
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### DEAN

DEAN  
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### ELGIN ACADEMY

ELGIN ACADEMY  
Elgin Academy is a coed school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### SOLEBURY SCHOOL

SOLEBURY SCHOOL  
Solebury School is a coed school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

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### CALVERT SCHOOL

CALVERT SCHOOL  
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### GO PLACES

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### WHY DON'T YOU WRITE?

WHY DON'T YOU WRITE?  
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## Vocational

### ART INSTITUTE OF PITTSBURGH

ART INSTITUTE OF PITTSBURGH  
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### BRYANT COLLEGE

BRYANT COLLEGE  
Bryant College is a vocational school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### FRANKLIN TECHNICAL INST.

FRANKLIN TECHNICAL INST.  
Franklin Technical Institute is a vocational school held each year on the shores of Lake Manahoe, Indiana. The school is open to all students of high school age. The school is held from June 1 to June 15. The school is held from June 1 to June 15. The school is held from June 1 to June 15.

### INDIANA TECHNICAL COLLEGE

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